Hear Orleans Laboratory

Report of Laboratory Analysis

Pace Analytical Services, Inc. 1000 Riverband Bivd. Suite & St. Rose , LA 70087

Phone: 504 469,0333 Fax: 504,489,0555 LFLAP # 02006

Client: LEE TECHNICAL SERVICES

Client ID: C5

Project: UPRR

Project No.: 2063683

Sample Qu:

Lab ID: 20479413

Matrix: Soil

Site: None

% Moisture: Not Corrected

Prep Level: Soil

Batch: 77953

Description: None

Method: 8015 TPH Extractables Soil

Units: mg/kg

Target List: TPH SL20

Collected: 10/18/06

Received: 10/20/06

Prep Factor: 1

Prepared: 10/23/06

Analyzed: 10/27/06 20:41 SPP1(1)

CAS Number	Parameter	Ditation	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
	Diesel Range Organics (C10-28)	10	10200	D!	22.1	100.	65.0
	Oil Range Organics (>C28-40)	10	4440	pi	79.3	500.	180.

ND dissates Mis Detected at an above the silpated reporting Einti.
Dif stantin Diffuling Factor of extract. The Prop Fatter descripts for a non-contact emple that.
Reporting Limit to recreated be enoughed an Albalian and modulus restantist implicable.
On lists qualifier, Spartific qualifiers are followed as the end of the report.
For modulus revision, not Secreta reput to not corrected for modulus and dissates not map tool
Segolatory Toul departm an action Reporting Food or of Reportment antifectable from.
Analysis performed in (1) New Orleans. (2) Street Beorge. (3) Studies City, (4) Houston, or (Street

page 68 of 141

Pace Analytical Services, Inc. 1000 Revertiend Blvd, Suite F St. Rose , LA 70087

Phone: 504,459,0333 Fax: 504,469,0555 LELAP N 02006

Client: LEE TECHNICAL SERVICES

Client ID: C5

Project: UPRR

Project No.: 2063683

Sample Qu:

Lab ID: 20479413

Matrix: Soil

1/4 Moisture: Not Corrected

Description: None

Prep Level: Soil

Butch: 78052

Site: None

Target List: TPHGM SL20

Method: 8015 TPH Gasoline Med Soil

Hew Orleans Laboratory

Units: mg/kg

Collected: 10/18/06

Received: 10/20/06

Prep Factor: 1

Prepared: 10/23/06

Analyzed: 10/25/06 00:03 arran

				Adjusted	Reporting	Reg.
CAS Number Parameter	Duction	Result	Q#	MDL	Limit	Limit
Gesoline Range Organica(C6-10)	1	137.		1,62	11.7	65.0

ND densitie has Detected at at show, the adjusted requesting final.

De Sensite Djinten Lactor of apriot. The Freg Forther accounts for a non-results a maple state Requesting Limit is consisted for sample that Clintins and materiar scatter if applicable. On the state of the request. Specific quality one or defined in the sensite the region. For another, counts, and densite result is not controlled for address counts, and densite result is not controlled for address one of products out applicables for the forest on in prior and products of the sensite of t

page 69 of 141



Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087

> Phone: 504.469.0333 Fax: 504.469.0555 LELAP # 02006

Client: LEE TECHNICAL SERVICES

Client ID: C5

Project: UPRR

Project No.: 2063683

Site: None

Sample Qu:

Lab ID: 20479413

Matrix: Soil

% Moisture: Not Corrected

Description: None

Prep Level: Soil

Batch: 77402

Method: 8082 PCBs Low Soil

Units: mg/kg

Target List: 8082 SL20

Collected: 10/18/06

Received: 10/20/06

Prep Factor: 1

Prepared: 10/24/06

Analyzed: 10/26/06 17:22 SLEID

CAS Number	Parameter	Diloties	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
12674-11-2	PCB-1016 (Amc)ar 1016)	20	ND	D2	0.178	0.666	0.110
11104-28-2	PCB-(221 (Aroclor (221)	20	ND	02	0,246	0.666	0.110
11141-16-5	PCB-(232 (Areclar (232)	20	ND	D2	0.200	0.656	0.110
53469-21-9	PCB-1242 (Amelor 1242)	20	ND	D2	0.208	999.0	0.110
12672-29-6	PCB-1248 (Aroclor 1248)	20	ND	D2	0.101	0.656.	0,110
11097-69-1	PCB-1254 (Aroclor 1254)	20	ND	D2	0.191	0,666	0.110
11096-82-5	PCH-1260 (Aroclar 1260)	20	ND	102	0.154	0.666	0,110

? remperation reputed

ND decaries May Deserted at ar above the adjusted reporting high.

Def decaries Displace Factor of extrest. The Prop Factor accounts for a non-countar incapic day.

Reporting Links to reserted for namefor day, districts who mentioner contract if applicable.

Qualital qualifiers, Specific qualifiers are declared at the end of the expect.

For undefore rounds, are decorate round to not convected for mandature and all denotes and applicable.

Regulatory that denotes an active regulatory that er or district-expected and fixed less than it.

Analysis performed in (1) New Oricines, (2) Basica Nonge, (3) Bunder City, (4) However, or (8) an benefixed and fixed that active is a contract.

New Orders Leborstory Cartifications Levisland Dags of Environmental Geostry (LELLAP) - 22003 Administry Levisland Geostry (LELAP) - 22003 Administry of Environmental Geostry - 58-553 (Levisland Dags of French and Marghts I Drinking Waser - LA08002) Fortifo Doors of Health (FELAP) - 287-553 Kampan Dags of Health Environment - 5-70786 U.S. Dugs of Aghestator Kovings Soil Prints - 5-67270

page 70 of 141

Pace Analytical Services, Inc. 1000 Reverbend Blvd. Suite F St. Rose , LA 70087

Phone: \$64,469,0333 Fax: 504,469,0555 LELAP # 02006

Client: LEE TECHNICAL SERVICES

Client ID: C6

Project: UPRK

Project No.: 2063683

Sample Qu:

Lab ID: 20479414

Matrix: Soil

% Moisture: Not Corrected

Description: None

Prep Level: Soil

Batch: 77953

Site: None

Method: 8015 TPH Extractables Soil

Units: mg/kg

Target List: TPH SL20

Collected: 10/18/06

Received: 10/20/06

Prep Factor: 1

Prepared: 10/23/06

Analyzed: 10/27/06 19:50 sppi m

CAS Number Parameter	Dhallos	Result	Qu	Adjusted Reporting MDL Limit		Reg. Limit
Diesel Runge Organica (C10-28)	10	3070	ĎΙ	72. i	100.	65.0
Oil Runne Organics (>C28-40)	10	2060	DI	79.3	500.	180.

N) deputes has Detacted at my upone the adjunct expecting leate.

De denote Diffusion Factor of extract. The Prop Debter accounts for a non-restlice completion.

Reporting Lifeth to corrected for assayle files, Children and medition contact if applicable.

Qu loss qualificats. Specific qualifiers were dedoed at the end of the report.

For meditary reputs, not denotes provide to not corrected for meditions and assayle as an applicable.

Regulatory fact denotes post contact application forther or a stick-reported forficerion flant.

Analysis performed in (§) New Orients, (2) Kuton Ronge, (3) Bonder (1)5, (4) Housings, or (§) subcareed:

page 71 of 141

Pece Analytical Services, Inc. 1000 Riverbend Bird. Suite F St. Rose , LA 70057

Phone: 504,469,0333 Fax: 504,469,0555 LELAP 1 02006

Client: LEE TECHNICAL SERVICES

Client ID: C6

Project: UPRR

Site: None

Project No.: 2063683

Sample Qu:

Lab ID: 20479414

Matrix: Soil

% Moisture: Not Corrected

Description: None

Prep Level: Soil

Batch: 78052

Method: 8015 TPH Gasoline Med Soil

New Grieens Laboratory

Units: mg/kg

Target List: TPHGM SL20

Collected: 10/18/05

Received: 10/20/06

Prep Factor: 1

Prepared: 10/23/06

Analyzed: 10/25/06 00:59 attm

					Adjusted	Reporting	Reg.
CAS Number	Parameter	Dilation	Result	Qu	MDL	Limit	Limit
000000000000000000000000000000000000000	Gasoline Range Organics(C6-10)	î	104.	· continu	1,74	12.5	65.0

g escapamatich seitenten

SD descript has Defected at or above the adjusted reparting had.

168 descript his Defected at or above the adjusted reparting had.

168 descript his descript descript his properties of the same descript desc.

Reparting Linds to propertie the sample data delibers and undersor exciton 15 applicable.

On BAS spullbers, Squallers, Squallers and delibers are delibers or and of the repart.

For mading are usually, and demonstrate ment is not converted for madiners and with director and updecided.

Republically, Hadit demonstrates on actival requirement had on the confidence of the demonstrate of applicable.

New Orleans Laboratory Contilections
Laboratory Contilections
Laboratory Contilections
Advance Dept. of Environmental Goodly - 18-0481
Advance Dept. of Environmental Goodly - 18-0481
Copulation Dept. of Heriffor and Herapitor Laboratory
Florida Dept. of Heriffor And Herapitor Laboratory
Florida Dept. of Heriffor (HELAS) - 187893
Advance Dept. of Heriffor Environment - 5-10266
U.S. Dept. of Agriculture Parallel Set Permit - 3-47270

page 72 of 141

Pace Analytical Services, Inc. 1000 Revenant BAd, Suite F St. Rose , LA 70087

Prione: 504,469,0333 Fex: 504,469,0535 LELAP # 02006

Client: LEE TECHNICAL SERVICES

Client ID: C6

Project: UPRR

Lab ID: 20479414

Description: None

Prep Factor: 1

Method: 8082 PCBs Low Soil

Site: None

Project No.: 2063683

Mutrix: Soil

Moisture: Not Corrected

Sample Qu:

Prep Level: Soil

Butch: 77402

Units: mg/kg

Target List: 8082 SL20

Collected: 10/18/06

Received: 10/20/06

Prepared: 10/24/06

Analyzed: 10/26/06 17:37 SIFM

CAS Number	Parameter	Mintlon	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
2674-11-2	PCB-1016 (Arocior 1016)	20	ND	D2	0.178	9.666	0.110
1104-28-2	PCB-1221 (Aroclor 1221)	20	ND	D 2	0.246	0.666	0.110
1141-16-5	PCB-1232 (Aroclot 1232)	20	ND	D2	0.200	0,666	0.110
3469-21-9	PCB-1242 (Aroclor 1242)	20	ND	D2	6,208	0.666	0.110
2672-29-6	PCB-1248 (Arcelor 1248)	20	ND	D2	0.101	0.666	0,110
1097-69-1	PCB-1254 (Arocles (254)	20	ND	D2	0,191	0.666	0.110
1096-82-5	PCB-1260 (Arocler 1260)	20	מא	D2	0.154	0,666	0.110

7 semprendis reported

II) denotes Mai Defected of or throughe pojented reporting hints.

If denotes Diktion Factor of referred. The Prop Factor occurately to a over-reading sample data.

Reporting Units is convented by reading and an interest consistent of applicable.

On this specified with a convented by reading and affected on the read of the report.

On this specified with the convented by the contract of the report.

The mandator promise, were denoted to change in an effected by mandators on the first of the reading and t

How Orleans Laboratory Cartifications
Look into Eppt, of Environmental Quality (LELPY - 02008
Actions to Eppt, of Environmental Quality (LELPY - 02008
Actions to Eppt, of Environmental Quality - 83-0841
Loukstone Dayl, of Howarth and Hospitchs / Drinking Water - Lab60029
Florida Dayl - of Howarth (ELLQ) - 687081
Ramas Dayl, of Howarth Environment - 6-10186
U.S. Down of Marinships Foreign Roll Parties - 5-77770

page 73 of 141

Pace Analytical Services, Inc. 1000 Rivertend Blvd. Suto F St. Rose , LA 70087

> Phone: 504,469,0333 Felt: 504,469,0555 LELAP # 02006

Client: LEE TECHNICAL SERVICES

Client ID: W1

Project: UPRR

Lab ID: 20479415

Description: None

Method: 8015 TPH Extractables Water

Hew Orleans Laboratory

Matrix: <u>Water</u> Prep Level: <u>Water</u>

d. Water

Units: mg/L

Hatch: <u>77855</u>

Sample Qu:

% Moisture: n/a

Target List: TPH WL20

Collected: 10/18/06

Site: None
Project No.: 2063683

Received: 10/20/06

Prepared: 10/24/06

Analyzed: 10/27/06 19:50 SPELO

				1	Adjusted	Reporting	Reg.
CAS Nember	Pacameter	Distin	Result	Qп	MDL	Lindi	Limit
	Diesel Range Organics (C10-28)	i	13.5		0.0383	0.150	0.150
	Oil Range Organics (>C28-40)	£ .	5,13		0.0315	0.150	0.150

I reasponence reserved

Prep Factor: 1

NO denotes, the Detected at ar above the adjusted reporting Radi.

Of denotes Dilution Sector of exteent. The Pray Feores executed for a non-resolute anamyle stare.

Reporting Land is gravered for months also dilutions and melanor to extent of applicable.

On Radi qualifiers, Against qualifiers are delated at the rad of therapore.

The model are much, not discover constit and reported for modelany and also formats and applicable.

Repulsary High demotes an arrant registery limit to a client reported anotheration in the Analysis declaration of 1818 New Orders, CH With Radio Radio, 1818 New Orders, and the Manual Child.

Merr Orisone Laburstory Certifications
Louisiums Dept. of Environmental Quality (LELATy - 03004
Arbennas Dept. of Environmental Quality (LELATy - 03004
Arbennas Dept. of Environmental Quality - 58-0501
Louisiums Dept. of Phiros And Magastal: Padabage Water - LANG0077
Fantis Dept. of Phiros Sent Philosophie Padabage Water - LANG0077
Fantis Dept. of Phiros Centrology - 5-10461
Kerness Dept. of Phiros Centrology - 5-10464

page 74 of 141

Pace Analytical Services, Inc. 1900 Riverband Blvd. Suite F St. Rose, LA 70097

> Phone: 504,469,0333 Fex: 504,469,0555 LELAP # 02006

Client: LEE TECHNICAL SERVICES

Site: None

Project No.: 2063683

Sample Qu:

Matrix: Water

% Moisture: <u>n/a</u>

Project: <u>UPRR</u> Lab ID: <u>20479415</u>

Client ID: W1

Prep Level: Water

Batch: 78193

Description: None

Target List: TPHG WL20

Method: 8015 TPH Gasoline Water

Units: mg/L

Collected: 10/18/06

Received: 10/20/06

Prep Factor: 1

Prepared: 10/28/06

Analyzed: 10/28/05 00:00 DET (1)

					Adjusted	Reporting	Reg.
CAS Number	Parameter	Ditation	Result	Qu	MDL	Limii	Limit
-	Gasoline Range Organics(C6-10)	i .	ND		0,0156	0.0500	0.150

L trimpogniki) impersor

DD denotes (sel Brinstra's et er siden's (be seljanted veperflag öreli.

DF denotes (Dieline Factor of critice). The Free Factor access sid for a mon-restine complet date.

Reparting Limb is corrected for amount sits, sidestine and molecure condent if applicable.

Or like spanifics. Sportific good ploss are datared at the real of the eregont.

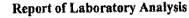
Fact bedware results, not denotes count to not corrected for amountaries and any denotes most supplicable.

Regulatory Emil denotes as archit orgalizatery limit or or direct organizate molification finality.

Analyzia performed in (2) Fact Orbania, (3) Instant Honge, (3) Bonder Chip. (4) Honories, or (1) ambendance or Chil-

New Critical Laboratory Cartifications
Louisians Dest. of Environmental Guestry (LELAG) - 51008
Animano Dest. of Environmental Guestry (LELAG) - 51008
Animano Dest. of Environmental Guestry - 83-5827
Louisians Dest. of Sendit and Housettain (Orthoday Wester - LA660017
Rental Dest. of Sendit Housettain (C. 181703)
Rental Dest. of Sendit Housettain - 5-87030
Rental Dest. of Sendit Housettain - 5-9004
Lib. Dest. of Aprica Send Foredousters - 5-9004
Lib. Dest. of Aprica Send Foredousters - 5-9004

page 75 of 141



Pace Analytical Services, Inc. 1000 Rivertend BMd, Sets F St. Rose , LA 70087

Phone: 504,469,0333 Fax: 504,469,0555 LELAP # 02006

Client: LEE TECHNICAL SERVICES

Client ID: WI

Project: UPRR

Lab ID: 20479415

Description: None

Prep Factor: 1

Method: 8082 PCBs Water

Prep Level: Water

Units: mg/L

Matrix: Water

Site: None Project No.: 2063683

Batch: 78037 Target List: 8082 WL20

Sample Qu:

% Moisture: 1/8

Received: 10/20/06

Collected: 10/18/06 Prepared: 10/23/06

Analyzed: 10/26/06 18:22 SLEW

CAS Number	Parameter	Dilution	Restilf	Qe	Adjusted MDL	Reporting Limit	Reg. Limit
12674-11-2	PCB-1016 (Aroctor 1016)	1	ND		0.000169	0.00100	0.00050
11104-28-2	PCB-1221 (Aroclor 1221)	1	ND		0.000200	0.00100	02000,0
11141-16-5	PCB-1232 (Aroclar 1232)	1	NO		0.000200	0,60100	0.00050
53469-21-9	PCB-1242 (Aroclar 1242)	1	ND		0.000200	0.00100	0,00050
12672-29-6	PCB-1248 (Aroclor 1248)	1	ND		0.000200	0.00100	0.00050
11097-69-1	PCB-1254 (Aroclor 1254)	1	ND		0.000200	00100.0	0.00050
11096-82-5	PCB-1260 (Aroclar 1260)	Į.	ND		0.000112	0.00100	0.00050

NO occurs bins Detected at it shows the adjusted reporting AntiDif denotes Dilution Factor of extruct. The Peop Poster assumets for a non-resolver assumets at an about the Committee of the Co

1E/7/2006 14:92:12

page 76 of 141



Pace Analytical Services, Inc. 1000 Riverbend Blvd, Suite F St. Rose , LA 70087

Phone: 504,469,0333 Fex: 504,469,0555 LELAP # 02006

Client ID: BM-1

Project: UPRR

Site: None

Lab ID: 20479408

Project No.: 2063683

Description: None

Client: LEE TECHNICAL SERVICES

Matrix: Soil

Melsture: Not Corrected

Collected: 10/18/06

Received: 10/20/06

ParameterName	Method	Butch	DF	Result	Qu	Unita	Adjusted MDL	Reporting Limit	Prep.	Analys	ļķ.	Reg. Limit
Antimony	EPA 6010	78012	ŧ	16.3		mg/kg	0.674	2.78	10/20	11/03 16:29	KJR (1)	3.10
Arsenie	EPA 6010	78012	1	6.51		mg/kg	0,330	0.926	10/20	11/93 16:29	KJR (1)	12,0
Bayllium	EPA 6010	78012	ŧ	0.209 J		mg/kg	0.0413	0.463	10/20	11/03 16:29	KIR (1)	8.00
Cedmium	EPA 6010	78012	Į.	0.288 J		eng/kg	0,0408	0.463	10/20	11/03 16:29	KJR (II)	3,90
Chromium	EPA 6010	78012	1	4.10		mg/kg	0.140	0.926	10/20	11/03 16:29	KIR (I)	100.
Copper	EPA 6010	78012	I	176.		mg/kg	0.535	0.926	10/20	11/03 16:29	KJR (i)	310.
Lead	EPA 6010	78012	1	444.		mg/kg	0.238	0,463	10/20	11/03 16:29	KJR (I)	100.
Mercury	EPA 7471	78010	į.	0.01301		mgArg	0.00165	0.0194	10/20	10/20 16:20	KDG (1)	
Nickel	EPA 6010	78012	1	224.		mg/kg	0.564	3,78	10/20	11/03 16:29	KIR (I)	160.
Selenium	EPA 6010	78012	ı	2.25 1		mg/kg	0,956	3.24	10/20	11/03 16:29	KIR (I)	20.0
Silver	EPA 6010	78012	1	ND		mg/kg	0,168	0.926	10/20	11/03 16:29	KJR (1)	39.0
Tastisom	EPA 6010	78012	1	1.44		mg/kg	0.422	0.926	10/20	11/03 16:29	KIR (I)	0.55
Zinc	EPA 6010	78012	1	133.		mg/kg	0.443	1.25	10/20	11/03 16:29	KJR (II)	2300

1) parameter(s) reported

ND dennier Not Detected at the above the stij need reporting Ruit.

Of dennius Diotion Turber of Ruit sample. Pf derette sample frug Factur which incremes for a opeReporting Linia is converted the mangle day, defenden und matther, content [f applicable,
Qu bits qualificus. Specific qualificus or defined at the sea of the paper.

On the qualificus. Specific qualificus are defined at the sea of the paper.

On indicate paper.

On the paper of the paper of the paper of the paper of the paper.

On the paper of the paper of the paper.

On Turber of the paper of the paper.

Analysis performed in (1) New Urleans, (2) Cases Rouge, (3) Reseder City, (4) Insertion, or (4) substantial

almanii Chullay - 86-4987 and Hospitaly - Christop 19's T.A.Cy - 687845 informaci - 6-10284 areign Salt Permit - 5-47270

page 77 of 141



Pace Analytical Services, Inc. 1000 Riverbend Bird. Suite F St. Rose , LA 70057

Phone: 504,469,0333 Fax: 504,469,0553 LELAP # 02006

Client ID: C1

Project: UPRR

Lab ID: 20479409

Description: None

Client: LEE TECHNICAL SERVICES

Site: None

Project No.: 2063683

Matrix: Soil

%Moisture: Not Corrected

Collected: 10/18/06

Received: 10/20/06

ParameterName	Method	Batch	DF	Result (Qu Unlis	Adjusted MDL	Reporting Linds	Prep.	Analysis	Reg. Limit
Antimony	EPA 6010	78012	1	1,08)	mg/kg	0.569	2.34	10/20	11/03 16:58 K/R	(1) 3.10
Amenic	EPA 6010	78012	1	4.94	mg/kg	0,279	0,781	10/20	11/03 16:58 KJR	(1) 12.0
Beryllium	EPA 6010	78012	. 1	0.570	mg/kg	0.0348	0,391	10/20	11/03 16:58 XJR	(1) 8.00
Cadmium	EPA 6010	75012	ŧ	0.157 1	mg/kg	0.0345	0.391	10/20	11/01 16:58 KJR	(1) 3.90
Chromium	EPA 6010	78012	1	9.67	mg/kg	0.118	0,781	10/20	11/03 16:58 KJR	(1) 100,
Copper	EFA 6010	78012	ŧ	17.7	mg/kg	0.451	0.781	10/20	11/03 16:58 KJR	
Load	EPA 6010	78012	į.	15.8	mg/kg	0.200	0.391	10/20	11/03 16:38 KJR	100.
Mercury	EPA 7471	78010	1	0.0278	ing/kg	0,00159	0.0128	10/20	10/20 16:25 KDG	
Nickel	EPA 6010	75012	1	18.4	mg/kg	0.476	3.12	10/20	11/00 16:58 KJR	
Scientian	EPA 6010	78012	1	1.18 J	mg/kg.	0.807	2.73	10/20	11/03 16:58 KJR	
Silver	EPA 6010	78012	I .	ND	mg/kg	0.142	0.781	10/20	11/03 16:SE KJR	
Thattium	BPA 6010	78012	ŧ	ND	rcg/kg	0.356	0.781	10/20	11/03 16:58 KJR	(t) 0.556
Zinc	EPA 6010	78012	1	44.2	mg/kg	0.374	1.56	10/20	11/03 16:58 KJR	3) 2300

MP denotes Not Detected at an obsert the only past operating finit.

De denotes Distless Factor at flast nample. Of denotes temple Prop Vantar onlich necessate for a son-continue nample of Beyonding Look is correct for a son-continue nample of the properties. Past the control for a son-continue nample of the control is a son-continue nample of the control is a son-continue nample of the control is a son-continue nample of the past of the control is a son-continue name of the past of the control is a son-continue name of the past of the control is a son-continue name of the past of the control is a son-control in the past of the control is a son-control in the past of the past of the control is a son-control in the past of the pa

Herr Orleans Laboratory Cordinations
Leubiner Depl. of Enrichmental Gustly (ELAP), 02004
Antonics Depl. of Enrichmental Gustly (ELAP), 02004
Antonics Depl. of Enrichmental Gustly (ESAP), 02004
Loubines Depl. of Hearth State of Hearth's Gustley (Eriching West - £,06002)
Finites Depl. of Hearth FELAPO, ESTING
Ratios Depl. of Hearth Enrichmental - £,1026
U.S. Out. of Aprille burs Reviews, 8-30 Permit - £,4729

page 78 of 141



Pace Analytical Services, Inc. 1000 Reverbend Blvd. Suite F St. Rose , LA 70087

Phone: 504,469,0333 Fax: 504,469,0355 LELAP # 07006

Client ID: C2

Project: UPRR

Site: None

Lub ID: 20479410

Project No.: 2063683

Description: None

Matrix: Soil

Client: LEE TECHNICAL SERVICES

%Moisture: Not Corrected

Collected: 10/18/06

Received: 10/20/06

ParameterName	Method	Balch	DF	Result	Qu	Unite	Adjusted MDL	Reporting Limit	Prep.	Asalysis	Reg. Limii
Antimony	EPA 6010	78012	j:	0.685 4	1	mg/kg	0,662	2,73	10/20	11/03 17:02 KJR (I)	3.10
Atsenie	EPA 6010	78012	1 1	ND		mgÁg	0.324	0.909	10/20	4	12.0
Besyllium	EPA 6010	78012	1	0.599		mg/kg	0,0403	0.455	10/20		8.00
Cudmium	BPA 6010	78012	1	0.09431	i	inglig	0.0401	0,455	10/20	7.7	3.90
Chromium	EPA 6010	78012	ŧ	11.0		merke	0.137	0.909	10/20		100.
Соррег	EPA 6010	78012	1	17.9		mpte	0.525	0.909	10/20	11/03 17:02 KJR (I)	310.
Load	EPA 6010	78012	ı	13.4		mg/kg	0.233	0.455	10/20	11/03 17:02 K/R (1)	100.
Mercury	EPA 7473	78010	1	0.0305		mg/kg	0.00146	0.0171	10/20	10/20 16:27, KDG (1)	7778
Nickel	EPA 5010	78012	1	17.2		mg/kg	0.554	3.64	10/20	11/03 17:02 KJR (I)	160.
Selenium	EPA 6010	78012	1	ND		mg/kg	0,939	3.18	1020	11AD 17:02 KJR (I)	20.0
Silver	EPA 6010	78012	1	ND		mg/kg	0.165	0,909	10/20	11/03 17:02 KJR (I)	39.0
Thallium	EPA 6010	78012	1	מא		mg/kg	0.414	0,909	10/20	11A03 17:02 KIR (I)	0.550
Zinc	EPA 6010	78012	1	46.9		mg/kg	0.435	1.82	10/20	11/03 17:02 KJR (1)	2300

AD decars Not Detected at an obser the salpanal separting Link.
Of departs Distinct Factor of Haad pumple. If desarts unaple Prof. Just which across
Of departs Distinct Factor of Haad pumple. If desarts unaple in realized if paper, the
Quelling equilibries. Specific quantifiers have distinct at the under I has square.
Quelling equilibries. Specific quantifiers have distinct at the under I has square.
On the particular of the paper, the makes of the paper, the makes of the paper, the paper growth are desarround in mandator and o's dearest and
(1.4) pH has been Like the Specimen For his manufacts for particular
(1.4) pH has been Like the Specimen For his manufacts for glattlish has been deared by
(1.4) Prof. particular five Units at the Specimen For his manufacts for glattlish has been considered.

(1.5) Has particularly for the constant Has decarded to the specimen of the specimen for the specim

y Conflictations
transport Curify (LELAP) - 82001
transport Curify - 82-657
transport Curify - 82-657
transport - 82-657
transport - 82-657
transport - 82-657
transport - 82-6775
transport - 82-6777

page 79 of 141



Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suse F 52. Rose , LA 70087

Phone: 504.469.0333 Fex: 504.469.0555 LELAP # 02006

Client ID: C3

Project: UPRR

Lab ID: 20479411

Description: None

Client: LEE TECHNICAL SERVICES

Site: None

Project No.: 2063683

Matrix: Soil

%Moisture: Not Corrected

Collected: 10/18/06

Received: 10/20/06

'arameterName	Method	Datch	DF	Result	Qu	Units	Adjusted MDL	Reporting Limit	Prep.	Analys	l s	Reg. Lindt
Antimony	EPA 6010	78012	ł	9.30		mg/kg	9,607	2,50	10/20	11/03 17:06	KJR (1)	3,10
Arsenic	EPA 6010	78012	1	7,07		mg/kg	0.297	0.833	10/20	11/03 17:06	KJR (1)	12.0
Deryllium	EPA 6010	78012	1	0.335 1		mg/kg	0.0372	0.417	10/20	11/03 17:06		8.00
Cadmium	EPA 6010	78012	ŧ	0.329 J		mekn	0.0368	0,417	10/20	11/03 17:06		3.90
Chromium	EPA 6010	78012	ì	4.50		mg/kg	0.126	0.633	10/20	11/03 17:06		100.
Copper	EPA 6010	78012	1	199.		mg/kg	0.481	0.833	10/20	11/03 17:06	. , , ,	31Q.
Lead	EPA 6010	78012	1	157.		mg/kg	0.214	0.417	10/20	11/03 17:06		100.
Mercury	EPA 7471	75010	1	0.0429		mg/kg	0.00159	0.0188	10/20	10/20 16:29		
Nickel	EPA 6010	78012	1	39.8		mg/kg	0.508	3.33	10/20	11/03 17:06		160.
Selenium	BPA 6010	78012	1	0.963 J		mg/kg	0.861	2,92	10/20	11.03 17:06		20.0
Sälver	EPA 6010	78012	1	ND		mg/kg	0.151	0.833	10/20	11/03 17:06		39.0
Thallings	EPA 6010	78012	1	0.662 J		mg/kg	0.380	0,833	10/20	11/03 17:06	. ,	0.55
Zinc	EPA 6010	78012	ī	74,2		mg/kg	0.359	1.67	10/20	11/03 17:06		2300

ND denotes Not Detected et är abere the nöjonted amperlige Rod.

PF denoten Didu dem Fector of Sand sample. FF denotes sample Prox Foctor which accounts her a non-resultar esempt
Reporting Lindik in terretered for sample size. Alledies and middere excited il upplicatio.

Qui liet quadificer. Despite quad beer are delicated in the mal of the export.

For middlers searlik. Det denotes result is and sorrented for moderne und nin domnies und applicable.

[14] of Have than 2.8 or greater than 12.74 hautstoden the circumiter.

[16] Final poted has then 168 degrees F is hautedmen for justication.

Anothel preformed be [1] tien Orienna (1) Balow Rouge. (3) Bouler City. (6) Hussion. at (8) 50 to project and

New Orders Laboratory Contifications
(Could now Dept. of Environmental Gentity (EELST), 20008
Advants to Dat. of Environmental Gentity (EELST), 20008
Advants to Dat. of Environmental Gentity (EELST), 20008
(Could now Dept. of Feath and New Yorks / Ordering Water - LA060022
Fortist Dept. of Feath (FELST), - EST 585
(ESTATE Dept. of Feath (FELST), - EST 585
(ESTATE Dept. of Feath Environmental E-10048
(ES. Dest of Advants Environmental E-10048)

page 80 of 141



Pace Analytical Services, Inc. 1000 Riverbend Blvd, Suke F St. Rose , LA 70067

Phore: 504,469,0333 Fac: 504,469,0555 LELAP # 62006

Client ID: C4

Description: None

Project: UPRR

Lab ID: 20479412

Client: LEE TECHNICAL SERVICES

Site: None

Project No.: 2063683

Matrix: Soil

%Moisture: Not Corrected

Collected: 10/18/06

Received: 10/20/06

ParameterName	Method	Butch	DF	Result	Qu		Units	Adjusted MDL	Reporting Limit	Реср.	Analyzis	Reg. Limit
Antimony	EPA 6010	78012	ŧ	2.54 1			mg/kg	0,674	2,78	10/20	11703 17:13 KJR (I)	3.10
Arsenie	EPA 6010	78012	ŧ	3.13			mg/kg	0.330	0.926	10/20	11/00 17:13 K/R(I)	12.0
Beryllium	EPA 6010	78012	1	0,429 j			mg/kg	0.0413	9,463	10/20	11/03 17:13 KJR (I)	8.00
Ctdmium	EPA 6010	78012	Ĭ	0,419 J			mg/kg	0.0408	0.463	10/10	11/03 17:13 KJR (I)	3.90
Chromium	BPA 6010	78012	1	8.49			osg/kg	0.140	0.926	10/20	11/03 17:13 KJR (I)	100.
Copper	EPA 6010	78012	1	144.			mg/kg	0.535	0.926	10/20	11/03 17:13 KUR (II	310.
Lend	EPA 6010	78012	1	265.			mg/kg	0.238	0.463	10/20	11/03 17:13 KUR (I)	.001
Mercury	EPA 7471	78010	1	0.0829		Į	mg/kg	0,00165	0.0194	10/20	10/20 16:31 KDG (I)	
Nickel	EPA 6010	78012	1	13.5			mg/kg	0.564	3.70	10/20	11/03 17:13 KUR (I)	160.
Sekvino	EPA 6010	78012	5	0.9 93 J			mg/kg	0.956	3.24	10/20	11/0) 17:13 KJR (1)	20.0
Silva	EPA GOLO	78012	1	ND			mg/kg	0.168	0.926	10/20	11/03 17:13 KJR (1)	39.0
Thallium	epa 6010	78012	ı	ND			mg/kg	0.422	0.926	10/20	11/03 17:13 KJR (I)	0.55
Zine	EPA 6010	78012	1	123.			mg∕kg	0.443	1.85	10/20	11/03 17:13. KJR (I)	2300

.

bib dennier. Not Deineted at ar nåper i ha ndjent af opporting finet.

DF dennier Dilester Furiar af final sample, FF dennier nample Frep Factor which necessits for a non-routina annahe den Reporting Link in corrected for nample, side, dilettion and motioner content if applicable.

Que bout qualifier. Spartific question van helitude at the case of the regard.

For motioner bombs, and dennetes result is not corrected for modelare regard.

For motioner bombs, and dennetes result is not corrected for modelare und a dennetes and applicable.

(1b) pH hose has at 2 on greents (may 1.2 is hazardous for corrections (for the content of t

New Orleans Laboratory Constitutions
Louisians Dept. of Environmental Constitution
Louisians Dept. of Environmental Constity (EELAP) - 0.2008
An action Dept. of Environmental Constity - 0.8-0.817
Louisians Dept. of Environmental Constitution (Constitution Dept. of Environmental Constitution (Constitution Dept. of Environmental - 6-50.206
U.S. Dept. of Manufacture Producemental - 6-50.206
U.S. Dept. of April Constitution (Constitution & Constitution (Constitution))

page 81 of 141



Pace Analytical Services, Inc. 1000 Riverbend Bird. Suite F St. Rose, LA 70087

> Phone: 504.469.0333 Fex: 504.469.0555

Client ID: C5

Project: UPRR

Lab ID: 20479413

Description: None

Client: LEE TECHNICAL SERVICES

Site: None

Project No.: 2063683

Matrix: Soil

%Moisture: Not Corrected

Collected: 10/18/06

Received: 10/20/06

ParameterName	Method	Beleb	DF	Result	Qu	Valts	Adjusted MDL	Reporting Limit	Prep.	Anstys	lg.	Reg. Limit
Anticoony	EPA 6010	78012	1	12.5		mg/kg	0,506	2.08	10/20	11/03 17:17	Kir (1)	3.10
Assonic	EPA 6010	78012	1	12.1		mg/kg	0.248	0.694	10/20	11/03 17:17	KJR (1)	12.0
Beryllium	EPA 6010	78012	1	0,273 J		mgAg	0,0310	0.347	10/20	11/03 17:17	KIR (I)	8.00
Cadmisst	EPA 6010	78012	1	0.380		mg/xg	0.0306	0.347	10/20	11/03 17:17	KIR (I)	3.90
Chromium	EPA 6010	78012	ŧ	4,45		mg/kg	0.105	0.694	10/20	11/03 17:17	KJR (1)	100.
Соррег	EPA 6010	78012	1	365.		make	0.401	0.694	10/20	11/03 17:17	KJR (1)	310,
Lead	EPA 6010	78012	1	320.		mg/kg	0.178	0.347	10/20	11/03 17:17	KJR (I)	100.
Mercury	FPA 7471	78010	ı	0.0350		mg/kg	0.00150	0.0176	10/20	10/20 16:33	KbG (I)	
Nickel	EPA 6010	78012	1	44,4		mg/kg	0.423	2.78	10/20	11/03 17:17	KJR (i)	169.
Scienium	EPA 6010	78012	i	ND		eng/kg	0.717	2.43	10/20	11/03 17:17	KJR: (1)	20.0
Silver	EPA 6010	78012	í	ND		mg/kg	0,126	0.694	10/20	11/03 17:17	KJR (I)	39.0
Thelifum	EPA 6010	78012	1	ND		mg/kg	0.317	0.694	10/20	11/03 17:17	KJR (t)	0.550
Zinc	EPA 6010	78012	i	113.		mg/kg	0,332	1,39	10/20	11/03 17:17	KJR (I)	2300

13 parameter(s) reported

New Orleans Laboratory Contineham.
Leukhines Dept. of Environmental Quality (LELAP) - 02008
Atherium Dept. of Environmental Quality - 82-082
Atherium Dept. of Environmental Quality - 82-082
Florida Dept. of Heath on (Inaplata) Debis by Waser - 8,465023
Florida Dept. of Heath (Inaplata) Dept. of Particle Of Particle Of Particle Of Particle Of Office Office

page 82 of 141

ND deniates that Detected at or shows the adjunct reporting Smil.

DV denotes Eductor that we shows the adjunct reporting Smil.

DV denotes Eductor that we have a discussion of the Smile Smile



Pace Analytical *

Report of Laboratory Analysis

Pace Analytical Services, Inc., 1000 Riverbend Bird, Suite F St. Rose , LA 70087

Phone: 504,469,0233 Fax: 504,469,0555 LELAP # 02006

Client ID: C6

Project: <u>UPRR</u>

Lab ID: 20479414

Description: None

Client: LEE TECHNICAL SERVICES

Site: None

Project No.: 2063683

Matrix: Soil

%Moisture: Not Corrected

Collected: 10/18/06

Received: 10/20/06

Parameter/Name	Method	Batch	DF	Result	Qu	Velte	Adjusted MDL	Reporting Limit	Prep.	Analysis	i	Reg. Lindt
Antimony	EPA 6010	78012	1	18.8	· · · · · · · · · · · · · · · · · · ·	mg∧g	0,617	2.54	10/20	11/03 17:22	KIR (I)	3,10
Arsenic	EPA 6010	78012	ŧ	12.0		mg/kg	0.302	0.847	10/20	11/03 17:22	KIR (I)	12,0
Derykium .	EPA 6010	78012	ŧ .	0.337 J		mg/kg	0.0378	0,424	10/20	11/03 17:22	KJR (1)	8,00
Cadmium	EPA 6010	78012	ŧ	0.625		mg/kg	0.0374	0.424	10/20	11/03 17:22	KJR (I)	3.90
Chromium	EPA 6010	78012	Ĭ	5.35		eng/kg	0.128	0.847	10/20	11/03 17:22	KJR (1)	100.
Соррег	EPA 6010	78012	E	539.		nig/kg	0.490	0.847	10/20	11/03 17:22	KJR (1)	310.
Lead	EPA 6010	78012	1	250.		mg/kg	0.217	0.414	10/20	11/03 17:22	KJR (1)	100,
Morcery	EPA 7471	78010	1	0.217		mg/kg	0.00150	0.0176	10/20	10/20 16:38	KDG (1)	
Nickel	EPA 6010	78012	1	42.7		mg/kg	0.517	3.39	10/20	11/03 17:22	KIR (L)	160.
Sclonium	EPA 6010	78017	ŧ	1, 88,1		mg/kg	0.875	2.97	10/20	11/03 17:22	KJR (1)	20,0
Silver	EPA 6010	78012	1	ND		mg/kg	0.154	0.847	10/20	11/03 17:22	KJR (1)	39.0
Thellium	EPA 6010	78012	1	1.17		mg/kg	0.386	0.847	10/20	11/0) 17:22	10r (I)	0.55
Zinc	EPA 6010	78012	1	150.		mg/kg	0,406	1.69	10/20	11/03 17:22	KIR (1)	2300

NO denotes Not Detected of or singus the prijected reporting finits.

Def denotes District of Gust varieties, I'd denotes associately first for which accounts for a non-recible association in the following for the control of the country of the following finite in the control of the copyring finite in the copyring fi

New Orleans Lebenstery Continuities
Les Linns Cept, of Environmental Quality (LELAP) - 195018
Actains Dept, of Environmental Quality - 43-0819
Lou Linns Dept, of Neutrinosettal Guality - 43-0819
Lou Linns Dept, of Neutrinoset Guality - 43-0819
Fortis Dept, of Health Continuities / Drinking Wainr - 1.A040012
Fortis Dept, of Health Environment - 5-10248
US. Dept, of Africations Fortinosettal - 5-10248
US. Dept, of Africations Fortings Total French - 5-47770

page 83 of 141



Pace Analytical Services, Inc. 1000 Riverband Blvd, Suite F St. Rose , LA 70087

Phone: 504,469,0333 Fex: 504,469,0555 LELAP II 02006

Client ID: WI

Project: UPRR

Lah ID: 20479415

Description: None

Client: LEE TECHNICAL SERVICES

Site: None

Project No.: 2063683

Matrix: Water

%Moisture: n/a

Collected: 10/18/06

Received: 10/20/06

ParameterNume	Method	Batch	DF	Result	Qu	Volte	Adjusted MDL	Reporting Limit	Frep.	Amalysi	3	Reg. Limit
Animony	EPA 6010	78035	ì	ND		mg/L	0,0111	0,0120	10/23	10/23 13:22	K/R (I)	0.0060
Amenic	EPA 6010	18035	1	0.0220		mg/L	0.00605	0.0100	10/23	10/23 13:22	KJR (t)	0.010
Barylliwn	EPA 6010	78035	ī	0.0008201		mg/L	0,000380	0.00400	10/23	10/23 13:22	KJR (I)	0.0040
Cadmium	EPA 6010	78035	1	ND		mg/L	0.000374	0,00500	10/23	10/23 13:22	KJR (1)	0,0050
Chromium	EPA 6910	78035	ŧ	ND		mg/L	0.00131	0,0100	10/23	10/23 13:22	KJR (I)	0,100
Copper	EPA 6010	78035	1	0.0295		mg/L	0.00318	0.0100	10/23	10/23 13/23	KJR (1)	1.30
Lead	EPA 6010	78035	1	0.0924		mg/L	0.00290	0.00500	10/23	10/23 13:22	KJR (1)	0,015
Mercury	EPA 7470	77995	1	0.07871		ug/L	0.0111	0.200	10/20	10/20 14:44	KDG (1)	
Nickel	EPA 6010	78035	- 1	ND		mg/L	0.0286	0,0400	10/23	10/23 13:22	KJR (i)	0.073
Scienium	EPA 6010	78035	ŧ	ND		mg/L	0.00591	0.0350	10/23	10/23 13:22	KJR (I)	0.050
Silver	EPA 6010	78035	t	ND		mg/L	0.00150	0.0100	10/23	10/23 13:22	KIR (1)	0.018
Thellium	EPA 6010	78035	1	ND		mg/L	0.00431	0.00500	10/23	10/23 13:22	KJR (1)	0.0020
Zinc	EPA 6010	78035	1	0.116		mg/L	0.00262	0.0260	10/23	10/23 13:22	KJR (II)	1.10

ND danne Nas Debated at or above the adjusted reporting Amis.

PD denotes Chuthon Factor of Sant sample, I'F denotes at maje free Factor which accounts for a non-particle nomple dat Reporting Limit in reversed for sample gis, distinct and modelness named if applicable.

Reporting Limit is reversed for sample gis, distinct and modelness named if applicable.

Our last profiles. Specific operations on effects of the ord of the report.

For modelness rounds, wel denotes reject is harmonic for wouldness up a gis denotes and applicable.

(1a) pH icus than Li or greater than 11.5 is harmonic for wouldness up and denotes and applicable.

(1b) pH icus than Li or greater than 11.5 is harmonic for two particular and the profile of the control of the control

New Orleans Laboratory Caretications
Learning Dept. of Environmental Quality (LELAP) - 0.1006
Learning Dept. of Environmental Quality (LELAP) - 0.1006
Artenamo Dept. of Environmental Quality (-0.4-061)
Lobellistic Dept. of Environmental Quality - 0.4-061
Lobellistic Dept. of Environmental Quality - 0.4-061
Lobellistic Dept. of Environmental Quality - 0.4-06001
Restore Dept. of Environmental Caretical Conference on Caretical Caretical Dept. of Environmental Caretical Caret

page 84 of 141



Pace Analytical Services, Inc. 1000 Riverbend Bivd. Suite F St. Rose , LA 70087

Phone: 504,459,0333 Fer: 504,459,0355 LELAP # 02005

Method: EPA 8260

Project: 2063683

LCS: 20479441 10/20/2006 3:22:00 PM MS: 20479442 10/20/2006 5:17:00 PM

Batch: 77997 Units: ug/L

Original for MS: 20479415 Client Sample

					Outer: new	₩.	Cri	ignas sor	MIS: MAINAI	3 C	atent 5	ampic
Parameter Name	LCS Spike	LCS WREE	LCSD %Rec	LCS RPD	MS Spike	MS Krec		(I)MS RPD	QC Limit LCS MS/N		Mex RPO	Qu
Accore	50	55			50	.53	54	2	22-165 []	-171	20	All
Beneric	50	97			50	98	97	1	70 - 135 60	- 144	20	
Bromodichloromethane		92			50	99	99	0	61-136 59	- 156	5 20	
Bromsform	50	18.2			\$0	88	94	7	56-154 50	- 153	20	
Bromomethane	50	100			50	107	101	6	44-158 37	- 165	20	
2-Bustanone (MEK)	50	48			50	38	42	ti	32 - 157 20	× 168	8 20	Alt
Carbon disulfide	50	88			50	97	95	2	40 - 147 36	- 157	2 20	
Carbon tetrachleride	50	100			50	100	98	2	50-166 44	- 170	20	
Chlorobenzene	51	113			\$0	115	113	ž	73-129 67	-134	1 20	
Chloroethane	50	9.5			50	110	103	6	38 - 163 34	- 170) 20	
Chloroform	51	110			50	121	116	4	71 - 133 66	- 140	0 20	
Chicromethane	50	89			50	93	87	7	32 - 149 22	- 163	3 20	
1,2-Dibonno-1-chloropropane	50	65			50	77	81	6	34 - 145 28	2 - 150	0 20	
Dihromochloromethane	50	89			50	95	95	0	63 - 147 58	- 147	7 20	
I.2-Dichlorobenzene	50	97			50)			67-135 61	- 139	9 20	
1,3-Dichlorobenzene	\$0	101			\$6	}				- 134	4 20	
1.4-Dichlorobeczene	56) I D2			50)			66-133 64	- 133	3 20	,
1, 1-Dichloroethane	56	96			50	104	102	2	64 - 135 59	- 143	2 20	i
1.2-Dichloroethane	56	88 (\$0	93	96	3	53 - 164 - 51	- 161	1 20	,
1,1-Dichleroethene	54	103			55	114	m	3	51 - 143 44	- 157	2 20	i
cis-1,2-Dichlorochene	54	107			50	116	114	2	59 - 139 56	5-14:	5 20	
trans-1,2-Dichlorosthene	54	104			50	111	108	3	59 - 139 - 56	5-145	5 20	ı
1,2-Dichloropropane	51	92			50	97	96	2	69 - 135 66	S - 138	8 20	ļ.
cis-1,3-Dichloropropene	50	96			50	103	103	1	66 + 141 SI	i - 147	2 20)
trens-1,3-Dichloropropene	50	92			50	95	98	3	57 - 150 50) - 151	1 20	
Ethylbermene	50	107			50	107	105	t	67 - 132 50	131	B 20	j
Hexachtoro-L.3-battefiere	Ş	89			50)			49 - 167 27	- 19:	5 20	J
lobutanol	105	D 58			1050	66	76	14	32 - 160 20	5 - 169	9 20	i
Methylme chloride	5	0 114			54	122	121	1	29 - 159 15	i ~ 458	\$ 20	AH
4-Methyl-2-pentanone (MIBK)	51	80 0			54	72	76	6	13 - 162 10) - 151	7 20	,
Methyl-terr-butyl ether	5	0 101			54	98 0	119	54 *	48 - 145 39) - IS:	7 20	
Naphthalese	5	0 70			54	0			39 - 140 2	1 - 141	8 20	F
Styrene	5	0 118			51	122	121	1	71 - 134 5	1-14	4 20	t
1,1,1,2-Teirschlomethane	5				\$1	0 112	109	3	73 - 146 6:	5 - 151	0 20	ı
1,1,2,2-Tetrachlerocthane	5				St	79	E3	4	50-142 4	5 - 14:	5 20	ı
Tetrachloroethene	5				Si				42 - 156 3			QIO
Toluene	5				\$1		101	-	72 - 132 6			
1,2,4-Trichlombenzene	5				59			-	36-144 4	-		
1,1,1-Trichloroethane	5				54		104	-		9 - 14		
1,1,2-Trichlomethane	Š	0 87	!		54	0 95	95	ı	67 - 144 6	0 - 14	6 20	J

Trichlorocthene

Trichloroflumomethane

* desertes recevery outside of QC Bushis.
PES apiles constrained mass are and expressive for motor
(1) MS RPD in calculated via \$500,846 outside on the f

50 112

69 - 136 - 51 - 141

42 - 161 38 - 160

page 85 of 141

112



Pace Analytical Services, Inc. 1000 Riverbend Bird, Sute F St. Rose , LA 70067

Phone: 504.459.0033 Fex: 504.469.0555 LELAP # 02006

Method: EPA 8260

Project: 2063683

LCS: 20479441 10/20/2006 3:22:00 PM

Butch: <u>77997</u> Units: <u>119/L</u> MS: 20479442 10/20/2006 5:17:00 PM Original for MS: 20479415 Client Sample

Parameter Name	LCS Splice	LCS %Ree	LCSD	LCS	MS Spike	MS %Rec		(1)M\$	-	Lindu MS/MSD	Max RPD	Qu
	s.k.m	700027	101101	****	~y			ne		ALESSO PLEASURE		
Vinyl chloride	50	91			50	97	91	7	40 - 14	6 28 - 161	20	
m&p-Xylone	100	116			100	114	112	2	70 - 12	9 66 - 132	20	
o-Xylene	50	111			50	112	111	1	70 - 12	9 66 - 132	20	
45 components) reported												

Never Orthopia Laboratory Cartifications
Livelature Dayl, of Environmental Coulty (LELAD) - 02008
Althouse Dayl, of Environmental Coulty - 13-0581
Love benes Dayl, of Environmental Coulty - 13-0581
Love benes Dayl, of Environmental Coulty - 13-0581
Foreith Dayl, of Housth and Houghte / Grinking Moor - LA000021
Parties Dayl, of Housth Environment - E-05266
U.S. Dayl, of Aprille Rev Ference 15-0506
U.S. Dayl, of Aprille Rev Ference 15-0506

page 86 of 141

⁴ denotes receively antifies of QC Busins. M5 qubit conventualizes via pot exceeds his mediators concept of the splind nample. (3) M5 RD in antificialized via privide relax no the basis of applied nample conventuations entire their splin received.



Pace Analytical Services, Inc. 1000 Rivertiend Blvd. Suke F St. Rose , LA 70087

Phone: 504,469,0333 Fee: 504,469,0555 LELAP # 02006

Method: EPA 8260

Project: 2063683

LCS: 20480132 10/25/2006 10:40:00 P

Batch: <u>78144</u>

MS: 20480114 10/25/2006 8:07:00 PM

Units: ug/kg

Original for MS: 20480053 Batch Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec		MS Splke	MS %Rec	MSD %Rec	(I)MS RPD	QC LCS	Lindo MS/MSD	Max RPD	Qu
Accrone	50	37	ORIGINAL SINGLES	Mark Control	50	56	64	14	11-16	6 10-18)	20	All
Benzene	50	98			50	\$5	86	ò	65 - 13	6 33 - [4]	20	
Bromodichloromethane	50	93			50	76	77	2	56 - 15	7 14-155	20	
Bresnoform	50	83			50	66	68	3	46 - 15	6 10-152	20	
Becomomerbane	50	109			50	93	93	1	41 - 13	9 14 - 167	20	
2-Butanous (MBK)	50	57			50	47	51	10	17 - 16	4 10-166	20	Alt
Carbon disulfide	50	\$7			50	80	78	2	38 - 13	0 14-14	20	
Carbon tetrachluride	50	100			50	8.8	87	1	44 - 16	6 17-160	20	
Chlorobenzese	50	95			50	83	87	2	65 - 13	4 14-145	20	
Chloroethane	50	134			50	113	112	3	34 - 14	66 28-150	20	
Chioroform	50	98			50	84	84	O	68 - 13	4 35 - 141	20	
Chloromethane	50	122			50	105	105	0	21 - 11	2 10-158	20	
1,2-Dibrocno-3-chiocopropune	50	79			50	64	70	9	23 - 14	7 10-147	2:0	
Dibromochloromethanc	50	84			50	69	71	3	53 - 11	0 10-153	20	
1,2-Dichlorobousene	50	8.8			50	74	74	0	67 - 13	3 10-134	20	
1,3-Dichlorobenzene	50	89			50	77	77	1	64 - 13	2 10-131	20	
1,4-Dichkrobenzaue	50	SE.			50	27	76	1	64 - 13	10-130	20	+
1,1-Dicktoroethane	50	94			50	81	82	1	61 - 13	5 36-141	20	•
1,2-Dichleroethese	50	89			50	70	74	5	46 - 11	52 15 + 151	20	i
1,1-Dichloroothene	50	102			50	91	90	1	50 - 14	44 31 - 149	20	į.
cir-1,2-Dichloroethene	50	95		•	50	80	79	Ĭ	56-14	62 26-140	20	+
trans-1,2-Dichieroethene	5 0	96			50	93	87	7	56 - 13	8 29 - 142	20	¥ .
1,2-Dichloropropane	30	93			50	77	79	3	64 - 13	16 28 - 14	20	i
cis-1,3-Dichloropeopene	30	94			50	76	78	2	58 - 1	12 10 - 141	20)
trans-1,3-Dichloropropene	50	87			5-0	67	70	4	47-1	52 10 - 149	20	l.
Ethylbenzene	50	95			. 50	88	85	2	62 - 1	34 11-14	20	ŧ
Hexachloro-1,1-butadiene	50	92			50	59	• 53	* 10	65 - 1	58 70 - 130	3 20	Qŧ
Isobutanol	1050	69			1050	36	63	12	14 - 1	61 10 - 16:	7 20	ŧ
Mathylane chloride	\$0	108			50	89	87	2	23 - 1	61 10-14		ÄH
4-Methyl-2-pentanone (MIBK)	50				50		58	-	10-1		-	
Methyl-text-bulyl ether	50				54		57		41 - 1			
Naphthalene	59				54		63	11	48 - 1			
Styrene	54	2			\$0		-81		64 - 1			
1,1,1,2-Tetrachioroethane	51				50	-	79	-	56 - 1			
1,1,2,2-Terrachkoroethene	\$1				50		65	*	41 - 1			
Tetrachloroethene	\$ 1				56			_	30 - 1			QI.
Tologne	\$1				51		83		65 - 1			-
1,2,4-Trichloroperaene	51				51		57	-	44 - 1		-	
1,1,1-Trichlomethane	,51 				5 1		83	**	57 - 1			
1,1,2-Trichlorsenhane	54				51		70	-	59 - 1			
Trichlorocthene	51				51		90		64 - 1	•		
Tricklorofluoromethane	56	0 140	,		5	119	117	1	39 - 1	57 20-15	3 2	Ð

^{*} doeseles very recoids of QC Ands

page 87 of 141

ND gifte enacestryfyng om net gerryfed far maket tre cintext fê far gyflad magele. It MSRPD is referinget yn SW-dde gyfes: yn the beste af gyflad gamale cint patrottynt yrcher rion sollar recor

New Orleans Exhaustury Constitutions
Landinane Dept. of Europeannest Guadity (LELAP) - 82008
Albanius Dept. of Europeannest Guadity - 18-0481
Louisians Dept. of Februari Anthropytol (Saulity - 18-0481
Louisians Dept. of Health and Hospitols (Pointing Wiene - LAOK02
Florida Dept. of Health Europeannest - 5-10768
Kanuse Dept. of Health Europeannest - 5-10768



Pace Analytical Services, inc. 1000 Riverbend Blvd. Suite F St. Rose, LA 70087 Phone: 504,469,0333 Fac. 504,489,0555 LELAP # 02006

Method: <u>EPA 8260</u> Project: <u>2063683</u> LCS: <u>20480132</u> <u>10/25/2006 10:40:00 P</u>

Batch: <u>78144</u> MS: <u>20480114</u> <u>10/25/2006 8:07:00 PM</u>

Units: <u>ug/kg</u> Original for MS: <u>20480053</u> Batch Sample

Pavameter Name	LCS Spike	LCS WRec	LCSD WRec	LCS RPD	MS Spike	MS %Rec	%Rec	(I)MS RPD	LCS	Limin MS/MSD	Max RPD	Qα
Vinyl chloride	50	122			50		105	1	K11.50	5 15 - 153	************	William W. William
m&p-Xylene	100	96			100	86	84	3	60 - 13	E 10 - 147	20	
o-Xylene	50	93			50	82	80	3	62 - 13	9 10-149	20	
45 compressión reperted												

New Orderes Leberstory Coefficialism
Locis limit Dept. of Errofenament of Gestly (E.E.Ary - 2000
Artemyles Dept. of Errofenament of Gestly (E.E.Ary - 2000
Artemyles Dept. of Errofenament of Gestly - 260-261
Locis limit Dept. of the 4th and Respilled / Direkting Webs - 1,846022
Romass Dept. of Peeting Mills (C - 28758
Romass Dept. of Peeting Mills (C - 28758
LS. Dept. of Agriculture Senioge Soft Peeting - 3-47279

page 88 of 141

[&]quot; division conversely article of QC Books.

M5 ophic convenience are and surrected the assistant constant of the uplace mangic.

(1) M5 NFD to extended of n NM-846 orders on the basis of uplical namely convenience restor base spike receivable.



Pace Analytical Services, Inc. 1000 Riverbend Bird. Suts F St. Rose , LA 70087

Phone: 504.459.0333 Fex: 504.459.0585 LELAP # 02006

Method: EPA 8260

Project: 2063683

LCS: 20480871 10/27/2006 10:12:00 P

Batch: 78144

MS: Units: ug/kg

Original for MS:

Parameter Name	LCS Spike	LCS When	LCSD %Rec	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	7	Limits MS/MSD	Mat RPD	Qu
Accione	50	49	V	 **************************************	***************************************			11-1	66 -	************	All
Всписос	50	94						65 - 1	36 -		
Bromodichloromethane	° 50	92						56 - 1	\$7 -		
Bromoform	50	90						46 - 1	56 -		
Bromomethane	50	109						41 - 1	59 -		
2-Bulacone (MEK)	50	72						17-1	64 -		ATT
Carbon disulfide	50	85						38 - 1	50 -		
Carbon tetrachloride	50	95						44 - 1	66 -		
Chlorobenzene	50	92						65 - 1	34 -		
Chlorosthanc	50	113						34 - 1	66 -		
Chloreform	50	101						68 - 1	34 -		
Chloromethane	50	120						21 - 1	52 -		
1,2-Dibromo-3-chloropropage	50	91						23 - 1	47 +		
Dibromochloromethene	50	88						53 - 1	50 -		
1.2-Dichlorobengene	50	88						67 - I	33 -		
1.3-Düchlorobenzene	50	89						64 - I	32 .		
1,4-Dichlombenzene	50	90						64 - 1	31 -		
1.1-Dichlorosthane	50	96		•				61 - t	35 -		
1,2-Dichloroethane	50	91						46 - 1	62 -		
I, I-Dichlomethese	\$0	#01						50 - 1	44 -		
cis-1,2-Dichloroethene	50	97	•		•			56 - 1	42		
trans-1,2-Dichloroethene	ŠĆ	96						56 - i	38 -		
1,2-Dichloropropane	\$6	92						64 - 1	36 -		
cis-1,1-Dichloropropene	56	95						58 - 1	42 -		
trans-1,3-Dichloropropene	\$6	90						47 - 1	152 -		
Ethylbenzene	50	94						62 - 1	34 -		
Hexachloro-1,3-butadiese	54	93						65 - 1	i\$& ∗		
lonatudosi	1050	85						14-1	l 6 +		
Methylene chloride	50	136						23 - 1	161 .		AH
4-Methyl-2-pentanone (MBK)	50	86						10-1	67 -		
Methyl-cort-butyl ether	50	65						41 - 1	so -		
Naphilialene	50							48 - 1	133 +		
Styrene	50	96					•	64 + 1	36 -		
1,1,1,2-Tetrachloroethuse	50							56 -			
1,1,2,2-Teirschloroethane	59							41 - 1			
Tetrachloroethene	50							30-			
Toluena	50							65 - 1			
1,2,4-Trichlorobeazene	54							44 -			
1,1,1-Trichlomethane	5							57 -			
1,1,2-Trichlorocthane	31							59.			
Trichkoothens	\$							64 -			
Trichknofluoromethane	5	116						39 -	157 -		

^{*} denotes recovery actable of QC limbs.

MS spiles empreciatelyses are not corrected for measurer contain of the uplant or

(F) MSRFO is entertained the KW-864 release on the basels of uplant semaple energy.

18/7/2006 \$6:50:19

page 89 of 141



Pace Analytical Services, Inc. 1000 Riverband Bivd. Suite F St. Rose , LA 70007

Phone: 504,469,0333 Fex: 504,469,0555 LELAP # 02006

Method: EPA 8260

Project: 2063683

LCS: 20480871 10/27/2006 10:12:00 P

Batch: 78144

MS:

Units: ug/kg

Original for MS:

Parameter Name	LCS Spike		LCSD %Rec	LCS RPD	MS Splite	MS %Rec	(I)MS RPD	QC Limb LCS MS/MSD	Max RPD	Qu
Vinyl chloride	50						 	33 - 145 -		
m&p-Xylene	100	93						60 - 138 -		
e-Xylene	50	91						62 - 139 -		
43 compensated reported										

* Organics receivery notation of QC Aunts.

All spaint concentrations are and experted at the moderac consent of the uplical nomple.

(1) MS APD is entertained with \$16.444 relations the houlest qualitat manufacturations receiver than apilitar recoveries.

how Circuit Laboratory Corditarious
Loublance Days, of Environmental Guesty, IEE.A.91 - 62008
Actionate Days, of Environmental Guesty, IEE.A.91 - 62008
Actionate Days, of Environmental Guesty, IEE.A.91 - 62008
Evaluation Days, of Health med Houghtain I Deviating Water - LA000018
Fourist Days, of Health Environment -E-0008
Keness Days, of Health Environment -E-0008
Keness Days, of Health Environment -E-0008
Keness Days, of Health Environment -E-0008

page 90 of 141



Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose , LA 70087

Phone: 504.469.0333 Fex: 504.469.0555 LELAP # 02006

Method:	EPA 8260	Project:	2063683	LCS:		10/30/2006 8:16:00 PM
		Batch:	78240	MS:	20480617	10/30/2006 8:54:00 PM

					Units: ug/	E	Or	lginel fo	r MS: 2047	9408 C	lient Sample
Paraméter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS Varec	MSD Wree	(1)MS RPD	QC L	lmits 15/MSD	Max Qu RPD
Acetone	2500	103			2500	70	84	18	10-197	10-206	20 A11
Benzene	2500	96			2500	100	100	0	64 - 137	34 - 153	20
Bromedichloremethane	2500	92			2500	92	93	ŧ	51 - 155	30 - 166	20
Bromofoun	2500	82			2500	86	81	6	47 - 146	23 - 163	20
Bromomethane	2500	104			2500	114	107	7	10 - 183	10 - 193	20
2-Butanone (MEK)	2500	110			2500	272 4	268	• 1	10 - 183	10 - 219	20 A11,Q1
Carbon disulfide	2500	E6			2500	92	92	Ð	22 - 167	10 - 150	20
Carbon tetrachloride	2500	94			- 2500	99	99	ø	43 - 162	28 - 168	20
Chlorobenzene	2500	89			2500	96	96	0	66 - 129	39 - 145	20
Chloroethane	2500	102			2500	115	115	Đ	10 - 200	10-217	20
Chloroform	2500	100			2500	105	104	1	65 - 134	36 - 162	20
Chloromethane	2500	93			2500	103	99	4	10 - 165	10 - 181	20
Dibremochloromethane	2500	88			2500	89	89	1	54 - 144	31 - 159	20
1,1-Dichloroethane	2500	92			2500	101	101	0	62 - 138	38 - 161	20
1,2-Dichlorocthaue	2500	94			2500	95	93	2	49 - 158	31 - 172	20
1,1-Dichloroethene	2500	104			2500	131	111	9	31 - 1.70	10 - 188	20
cis-1,2-Dichloroethene	2500	96			2500	101	101	1	61 - 142	35 - 167	20
trans-1,2-Dichleroothere	2500	97			2500	108	107	0	51 - 151	29 - 165	20
1,2-Dichloropropuse	2500	93			2500	95	97	2	60 - 13 8	37 - 157	20
cis-1,3-Dichloropropene	2500	95			2500	95	96	1	57 - 142	33 - 157	20
trans-1,J-Dichloropsopene	2500	69			2500	89	88	, 1	47 - 150	29 - 158	20 *
Ethythetizese	2500	BB (2500	98	97	1	57 - 133	21 - 156	20
Methylens chloride	2500	100			2500	101	99	2	22 - 170	10 + i 21	20 A11
4-Methyl-2-pentanone (M間长)	250K	88			2500	214	214	• 8	10 - 156	10 - 175	20 Q1
Styrene	2500	82			2500	91	90	‡	59 - 137	21 - 159	30
1,1,2,2-Teirschlowethine	250K	95			2500	112	112	0	52 - 142	17-169	20
Tetrachiorosibene	2500) 84			2500	94	9)	Í	37 - 139	10 - 172	20
Tolucie	2500	95			2500	95	94	1	65 - 133	33 - 152	20
1,1,1-Trichloroethme	2500	93			2500	103	99	3	61 - 135	33 + 158	20
1.1.2-Trichloroethane	2500				250X		£3	1	61 - 140	31-164	20
Trichloroethene	2500				2500		101	1	62 - 136	25 - 168	28
Vinyl chlaride	2500				2500		103	4	10 - 174		
m&p-Xylene	5000				5000		95	Į	59 - 136	18 - 164	20
o-Xylene	2500	3 86			2500	95	95	ø	62 - 137	18 - 164	20

em Depl. of Environmental Quality - 88-028; lens Depl. of Health and Houston / Orlinking War is Depl. of Health (HELAC) - Estant In Depl. of Health (Eriston-Herse) - E-10218 migh. of Agriculture Poreign Sail Pennil - 8-47370

page 91 of 141

14 responsible respond

^{*} denotes recovery activity of QC Smile, MS lighthe concentrations are not corrected for qualitative routes of the uplied of 413 MS RPD to extraolising via SW data order; on the Bush of uplied to maple oper-



Pace Analytical Services, Inc. 1000 Riverbend Blvd, Suite F St. Rose , LA 70087

Phone: 504.469,0332 Fax: 504.469,0355 LELAP # 02006

Method: EPA 8270

Project: 2063683

LCS: 20479641 10/27/2006 10:34:00 A

Batch: <u>77879</u>

MS: 20478738 10/18/2006 9:47:00 PM

Units	ug/kg

Original for MS: 20478637 Batch Sample

arameter Name	LCS Splke		LCSD %Rec	LCS RPD	MS Spike	MS WRec	MSD WRet	(I)MS RPD	75	āmits MS/MSD	Max RPD	Qı
Accouplement	1670				1930	52	60	10	45 - 110	23 - 121	20	
Accesphilipiene	1670	72			1930	62	69	10	48 - 107	27 - 115	20	
Amiliac	1670	79			1930	83	96	14	50 - 150	50 - 150	20	
Authracene	1670				1930	51	5 0	9	51 - 110	25 - 123	20	
Benzo(a)anthracene	1670				1930	51	59	5		25 - 123		
Denzo(b) Resonathene	1670				1930		113	19	43 - 119			
Benzo(k)finorantiene	1670				1930		81	14	40 - 121	-		
Вспло(в)ручене	1670				1930		67	7	48 - 115			
Butylbenzylobihalate	1670				19)0		99	15		18-137		
4-Chioroaniline	1670				1930				10 - 86	10 - 79		Qt
	1679				1930	-	66	12	38 - 104			Æ,
bis(2-Chloroesbyl) ether 2-Chloroesphilialene	1670				1930		64	a	44 - 108			
• •	1670				1930		74	8	38 - 109			
2-Chlorophenol	1670				1930		58	ě	47-113			
Chrysene	1670				1930		31	2	35 - 127			
Dibenga, h)anihmeene Dibenga (1880)	1670				1930		69	9	46 - 110			
1.2-Dichlorobenzene	1670				1930		72	10	36 - 103			
1.3-Dichlerobenzene	1670	_			1930		66	9	33 - 103			
1,4-Dichlorobenzene	1670	***			1930		68	ğ	32 - 103			
3.3'-Dichlorobenzidine	1670	-			1930		47	12	10-111			
2,4-Dichlorophenol	1670				1930		73	8,	45 - 110			
Dicthylphthalate	1670				1930		77	9	46-113			
2,4-Dimethylphenol	1670				1930		73	7		21 - 110		
Dimerhylphthalate	1670				1930		72	7	47-110			
2,4-Dinitrophenol	1670				1930		32	43 *	14 - 134			
2.4-Dinitratolucie	1670				1930		75	9		24 - 124		
2.6-Dinitrotolucue	1670				1930		75	10		29 - 116		
Di-a-ocylohthalass	1670	~ ~			1930		213		36 - 133			OI
bis(2-Ethylhexyl)phthulste	1670				1930		94	14	41 - 12			
Fluoranthene	1670	3 73			1930	0	. 0	* <u>5</u>	47-11		3 20	O1
Fluorene	1670				1930	61	69	H		t 24 - 12:	20	1
Hexachloro-L3-butadiene	1670) 56			1930	60	64	6	37 - 114	D 16-11	4 20	
licaehkroboszese	1670	86			1930	63	69	9	45 - 14	4 27-11	7 20)
Hexachlorocycloperandiene	1676	34			1930) 0	• 4	* 200 *	21 - 11	4 10 - 10	8 20	Q
Hexachloreethane	1670	54			1930	57	67	9	32 - 10	4 10-11	6 20	ŀ
Indeno(1,2,3-ed)pyrene	1676) EŽ			1930	24	25	2	35 - 12:	5 10-12	2 20	ŧ
Isophorone	1678	70			1930	72	77	6	43 - 11	0 27 - 11	3 20	ŧ
2-Methylmaphthalene	1674	69			1934	70	79	12	44 - 10	9 17-12	3 20	t
Naphthalene	1670	57			1934	62	68	7	42 + 1Q	18-11	5 20	•
1-Ninoanilioc	1670	90			1931	63	69	9	36-11	6 20-11	9 20	1
1-Ninoaniline	167	75			1930	67	79	17	17 - 91	10-11	3 20	•
4-Namaniline	1670	a as			1930	61	66	8	30 - 12	0 10-12	7 20	1

page 92 of 141

[&]quot; dispates, receivery notable of CPC Rests.

MS typics concentrations are and corrected for maintain content of the spilled in
113 PSS RFO is entention the SW-848 color; on the book of spilled anapte conce



Pace Analytical Services, Inc., 1600 Riverband Blvd, Subs F St. Rose , LA 70087

Phore: 504,469,0333 Fex: 504,469,0555 LELAP # 02005

Method: EPA 8270 Project: 2063683 Batch: 77879 MS: 20478738 10/18/2006 9:47:00 PM

LCS: 20479641 10/27/2006 10:34:00 A

Units: ug/kg

Original for MS: 20478637 Batch Sample

								_				•
Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS WRec	MSD %Ret	(1)MS RFD	QC L	imin IS/MSD	Max RPD	Qu
Nitrobenzene	1670	56			1930	60	63	5	38 - 109	20 - 114	20	
4-Nitrophezol	1670	64			1930	52	66	22 •	30 - 132	10-138	20	
N-Nitroso-di-a-propylamine	1670	78			1910	78	87	11	37 - 110	18 - 118	20	
N-Nitrosodipherylamine	1670	\$4			1930	65	68	6	39 - 117	10 - 139	20	A I O
2,2'-Oxybis(1-chloropropane)	1670	60			1930	52	56	8	29 - 114	10-118	20	
Pentechlorophenol	1670	E 3			1930	47	55	17	28 - 122	10 - 142	20	
Phenaralyene	1670	77			1930	a *	· a	* 10	49 - 109	18 - 128	20	ÒΙ
PhenoI	1670	62	Ψ,		1930	67	74	#1	36 - 112	22 - 113		•
Pytene	1670	90			1930	23	58	13	45 - 114	10 - 144	20	
1,2,4-Trichlorobenzene	1670	56			1930	63	68	8	37 - 108	19-112	20	
2,4,5-Trichlorophenol	1670	73			1930	60	64	7	45-113	25 - 117	20	
2,4,6-Trichlomphenol	1670	70			1930	56	58	4	45 - 112	25 + 116		
54 companied is reparted												

11/7/7006 16:42:19

page 93 of 141

^{*} demokts receivery intellise of QC limits.

MS optic renecessivations are not currected for anniature content of the spilice
(1) MS EFO is religiously to SW-dut-rules; on the lands of spilical annular rule.



Pace Analytical Services, Inc. 1000 Rivertend Brid. Subs F St. Rose, LA 70037 Phone: 504,650,0333 Fest 504,450,0355 LELAP N 02006

Method: <u>EPA 8270</u>				Pro	ject: <u>206</u>	3683	t.	CS: <u>20</u>	479650 10/2·	1/2006	2:10:00) PM
				B	stch: <u>77</u> 9	213		MS: <u>20</u>	478999 10/1	2/2006	3:50:00	PM
				ŧ	laits: 199/	L	Or	iginal fo	ir MS: 20478;	335 B	atch Sa	mple
Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD **Rec	(I)MS RPD	QC LIn		Mai RPD	Qu
Acenaphthene	2	77		Marion		4 88	74	17	49 - 171	16 - 140	50	
Accessphilylcue	2	71				4 89	74	18	39 - 107	30 - 113	20	
Amhraccos	' 2	84				4 94	82	14	29 - 115	12 - 126	20	
Benzo(a)antimacene	2	.59				4 66	61	8	45 - 107	10 - 125	20	
Benzo(b)fluoranthene	3	51				4 58	53	10	47 - 113	10 - 13R		
Benzo(k) fluoranthme	2	61				4 71	63	12	41 - 121	10 × [34	20	
Велго(в)рупъне	1	53				4 66	59	12	25 - 116	10 - 124	26	
Chrysene	. 2	65				4 72	65	10	44 - 117	10-131	20	
Dibenz(A,h)anthracene	2	49				78	68	14	32 - 119	10 - 126	20	
Fluoreathene	2	62				60	54	11	43 - 120	25 - 129	20	
Fluorene	2	81				4 90	76	17		10 - 137	20	
lodeco(1,2,3-cd)pyrene	2	49				4 74	65	13	37 - 120	10 - 133	20	
2-Methylosphihalene	2	66				i 83	69	19	50-150	50 150		
Naphthalese	2	70				4 88	73	19	49 - 112	21 - 146	20	
Phenwithrene	2	85				94	81	15	46 - 111	11 - 142	20	
Pyrene	ż	66				4 75	66	13.	43.111	20 - 119	'n	

* dissource returning metalise of QC limits.

1915 uplice reconstructions are not corrected for anothers tracters of the upliked mempie.

(1) MS RPD is adopteded to 12 No.-486 where on the basis of uplied insequence member return them uplice recoveries.

Mess Orleans Esboratory Cardifications
Lead Bross Dupl. of Environmental Quality (LELAP) - 02003
Arbanum Dupl. of Environmental Quality (LELAP) - 02003
Arbanum Dupl. of Theologometric Quality - 84-0841
Lead Similar Dupl. of Health and Houghship (Drinking Water - LAD46022
Floring Dupl. of Health (LAC) - 287465
Floring Dupl. of Health (LAC) - 287465
Floring Dupl. of Health (LAC) - 287467
Lacons Dupl. of Health (LAC) - 28747
Lacons Dupl. of Health (LAC) - 287467
Lacons Dupl. of Health (

page 94 of 141



Pace Analytical Services, Inc. 1000 Riverband Bird, Suite F St. Rose, LA 70087

Phone: 504,469,0333 Fee: 504,469,0555 LELAP # 02006

Method: EPA 8270

Project: 2063683

LCS: 20479620 10/25/2006 11:49:00 A

Batch: 78032 MS:

Units: ue/L

Original for MS:

arometes Name	LCS Splice	LCS %Ree	LCSD %Rec		MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC LC\$	Limita MS/MSD	Max RPD	Q
Asenaphthons	50	82	***************************************	,,		May coper, cop			62 - 11	j .		Q5
Accesphthylene	50	77							41 - 11			Q5
Anstine	50	116							50-15	iO *		Q5
Anthracene	50	84							46-11			QS
Benzo(s)anthracene	50	79							46 - 11			05
Benzo(b)fluoranthene	50	25							39 - 12	-		Q5
Berazo(k) fluoriaithene	50	92							35 - 13			05
Вепло(в)ругене	50	81							40 - 12			Q5
Butylbenzylphilalate	50	81							38 - 12	-		O5
4-Chlorosniline	50	86							10-11			Q5
bis(2-Chloroethyl) ether	50	74							27-11	-		-
2-Chlorosaphtisziene	50	72										Q5
2-Chlorophenol	50	76							41 - []			QS
Chrysone	50	78							26-11			Q5
Dibenz(a,b)sathracene	50	77							45 - 11	-		QS
Dibenzofurun	50	73 79							29 - 13			Q5
L2-Dichlorobenzene	50	70							45 - 11			QS
(3-Dicklorobenzene	50	63							20 - 95			Q5
1,4-Dichlorobenzene	~ .	66							16 - 90	,		Qs
J'-Dichlorobenzidine	50								17 - 9			Q5
2,4-Dichlorophenol	50	\$6							10 - 12			Q5
Dical y liphthabase	50	78							36-11			Qs
2,4-Dimethylphenal	50 50	88 64							43 - 12			QŞ
Dimethylphihalaic	50 50	#1							18-11			QS
Z.4-Dinitrophenol							,		45 - 11			Q5
2,4-Dinitropheno	50	102							17=14			Q5
2,6-Dinitrololuene	50	80							43 - 12			QS
	50	83							45 - 11			Q5
Di-n-octylphthalate	50	94							32 - 14	_		Q5
bis(2-Eihylhexyl)phthalaic Fluoranthene	50	80							30- 15			Q5
Fluorenc	50	74							45 = 12	-		Q5
rworene Hexachloro-1.3-butadiene	50	86							45 - 11			Q5
Hexachiorobenzene Hexachiorobenzene	50	70							20 - 10			Q5
recaschkerocyckmentadiene	50 50	97 14							44 - 11			QS
Hexachineoethann	50 30	84 67							10 - 60			Qs
indeno(1,2,3-ed)pyrene	50 50	76							15 - 90	-		Q\$
Isophorone	30 50	88							29 - 13			Q3
2-Methylnaphilialege	50 50	80							38-11			QS
Naphhalone	50 50	73							36 - 11			Q5
2-Nitroenilise	50 50	13 82							32 - 10			Q5
3-Naroaniline	2Ú 50								34 - 12			Q5
4-Nitrouniline	50 50	72 82							22 - 12	6 .		QS

page 95 of 141

^{*} denotes recovery metalls of Off limbs.

M.5 spiles asymmetry loss nor out therety of the mediance consent of the sp
(1) M.5.RPO is and whose Me SW 486 reject on the least of spiles because



\$4 company (c) repensed

Report of Quality Control

Pace Analytical Services, Inc. 1900 Riverband Blvd, Suite F St. Rose, LA 70087

Phone: 504,489,0333 Fax: 504,469,0555 LELAP # 02006

Method: EPA 8270				i	² roject: <u>20(</u>	3683	LCS: 2047	<u>9620 10/25</u>	/2006	11:49	:00 A
					Batch: 780	132	MS:				
					Units: ug/	<u>L</u>	Original for	MS:			
Pacameter Name	LCS Spike	LCS VRec	LCSD %Rec			MS %Rec	MSD (I)MS WRec RPD	QC Limi LCS MS/	6 MSD	Max RPD	Qu
Nitrobenzene	50	79						31 - 118		***********	Q5
4-Nitropheaul	50	55						25 - 140	*		Q5
N-Nitroso-di-n-propylamine	50	102						34 - 115	-		Q5
N-Nitrosodiphoxylamine	50	86						32 - 115	•		A10.0
2,2'-Oxybis(1-chloropropane)	50	87						21 - 123			Qš
Pentachloropheno!	50	89						32 - 133	~		Qs
Phenanthrene	50	82						48-115	_		QS
Phenol	50	78						24 - 118	-		Q5
Pyrene	30	94						42+119			Q5
1,2,4-Trichlorobenzene	30	70						27-100			Q5
2,4,5-Trichlemphenol	50	74						61 - 120			O5
2,4,6-Tricklorophenol	50	73						39 - 120	*		Q5

New Orkane Laboratory Certifications (Leading College Care) - 0.0006 (Leading College) - 0.0007 (Leadi

page 96 of 141

[&]quot; novement waters; metales at CL (1900). Mis spike notherprises are not not novement for moderate desirate of the spiket sumple. (1) MS RFD in enkekkeled vin SW-846 seken: on the hade of spiket homple constainations entire them upida promusies



Pace Analytical Services, Inc., 1000 Rivenend Blvd, Suite F St. Rose , LA 70087

Phore: 504.469.0333 Fax: 504.469.0555 LELAP # 02005

Report: 2	063683	Batch: 778	<u> 79</u>						
Lat ID	Typeand	Sar I	Sur 1	Sur 3	Ser €	Sur S	Sur 6	Sar 7	Sur 8
*	Qualiflera	%Rec	%Rec	WRec	%Rec	%Rec	%Rec	%Rec	%Re
20478736	BLANK	95	62	64	56	65	55	7,	-
20478737	LCS	97	65	70	61	69	65		
20478738	MS	60	46	57	48	70	75		
20478739	MSD	62	50	64	30	80	68		
20479276	BLANK	74	70	73	62	# 0	93		
20479277	LCS	100	72	85	68	BS	84		
20479408	Sample (12,P	Q D	ĐĐ	0 D	0 D	0 D	6 þ		
20479409	Sample	73	54	39	47	71	90		
20479410	Sample DI	67	46	48	44	60	73		
20479411	Sample D2	92	62	67	65	20	162 D		
20479412	Sample D2.F	0 D	0 D	0 D	0 D	0 D	0.0		
20479413	Sample D2,P	a o	00	00	Q D	e D	0 D		
20479414	Sample D2.P	0 D	0 D	0 D	D D	0.0	Q D		
20479640	BLANK	88	68	71	64	86	76		
20479641	LCS	97	56	40	47	67	80		
Q	C limits:	10-127	18-116	10-109	10-121	20-107	30-113		iiiii a, waanna

Sur 1: 2,4,6-Tribromophenal (S) Sur 2: 2-Fluorobiphenyl (S)

11/1/2006 15/27/20 er Laborahoy Curtificațione Popt, of Environmental Guardiy (LELAF) - 1966e Popt, of Environmental Curatiy - 18-2017 Popt, of Phanks And Phankskay - 18-2017 Popt, of Phanks - 18-2017 Lof Phanks - Environment - 18-2028 of Agriturilure Foreign Bolf Parmit - 8-42219

page 97 of 141

Sur 3: 2-Fluxophenol (S) Sur 4: Nitroberueno-d5 (S)

Sur S: Phenol-d5 (S)

Sur 6; Terphenyl-d14 (S)



Pace Analytical Services, Inc., 1000 Fürerband Bhri, Suite F St. Ross , LA 70087

Phone: 504,469,0323 Fax: 504,469,0555 LELAP # 02008

Report:	2063683	Batch: <u>779</u>	13						
Lab ID	Type and	Sur 1	Sur 1	Sur I	Sur 4	Ser S	Ser 6	Sur ?	Sur B
	Qualifiers	%Rec	%Rec	%Rec	%Rec	MRec	%Rec	WRec	%Rec
20478995	BLANK	76	56	69			C		The second secon
20478996	LCS	₹6	\$4	77					
20478999	MS	91 ,	82	94					
20479000	MSD	80	72	82					
20479390	BLANK	13	50	84					
20479391	LCS	88	60	90					
20479415	Sample	24	71	90					
20479649	BLANK	74	51	80					
20479650	LCS	106	76	112					
20481196	BLANK	70	45	60					
20481197	LCS	68	48	58					
	QC limits:	36-108	10-120	25-118		**************************************	·		***************************************

Sur 1: 2-Phiorobiphenyl (S) Sur 2: Naroberszene-dS (S) Sur J: Terphenyl-d14 (S)

Metory Commissioned (LELAP) - 81008 Environmental Ouelly (LELAP) - 81008 Environmental Ouelly - 846181 Freuth: and Froughte (Dornélay Water -with (RELAC) - EXTERS MARIO Environment - E-10786 Collect Foreign 808 Percuit - 8-47210 Chier Foreign 808 Percuit - 8-47210

page 98 of 141

[&]quot; describe bi-program provincy sortidate of QC Study, to the control of the contr



Pace Analytical Services, Inc. 1000 Rhenoerd Skd. Suite F \$1. Rose , LA 70087

Phone: 504,469,0333 Fax: 504,469,0555 LELAP # 02006

Report:	<u>2063683</u>	Batch: 779	197						***************************************
Lab ID	Type and Qualifiers	Ser I %Rec	Sur I MRec	Sur 3 WRec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 WREC	Sur 8 %Rec
20479415	7	·····			78345	Larrier	78 FLUX	785.	70 Rec
	Sumple	87	102	92					
20479440	BLANK	9 6	109	93					
20479441	LCS	85	99	93					
20479442	MS.	80	105	93					
20479443	MSD	81	103	92					
***************************************	QC limits:	71-129	68-124	74-122	···········				

Sur 1: 4-Brorooftworobenzene (S)

Sur 2: Dibrocnofisoromethane (S)

Sur 3: Toluene-d8 (S)

Near Orients Labitationy Cartifications
Louis land Dept. of Environmental Quelly (LELLY) = 2006
Artenian Dept. of Environmental Quelly (LELLY) = 2006
Artenian Dept. of Invariant and Intelly = 86-565
Louis land Dept. of Invariant and Intelligent Defining Water - LAGE001
Floridy Dept. of Invariant Sect. (C.) = 25286
Artenian Dept. of Invariant Sect. (C.) = 25286
Artenian Dept. of Invariant Sect. (C.) = 25286
Arteniant Dept. of Invariant Sect. (C.) = 25286

page 99 of 141

n dassets werengste recovery metado af DC limits. D depados anerogets westry de sacisdés of QC limits. A Lab ID westerings of a both neusby with a St militz ha sacished discr.

n the to want o the policy for a specify spile. A Lab to whit a MSD policy is a models uplice despitance.



Pace Analytical Services, Inc. 1000 Riverband BMC, Suite F St. Rose , LA 70087

Phone: 504,469,0333 Fee: 504,469,0555 LELAP 1 02006

Report:	2063683	Batch: 780	132						
f.ab ID	Typeand	Sur J	Sur 2	Sar 3	Sur 4	Sur 5	Sur 6	Ser 7	Sur £
	Qualifiers	%Rec	%Rec	%Rec	%Rec	%Rec	%Rec	%Rec	%Rec
20479415	Sampic	84	63	40	62	73	82	***************************************	·
20479619	BLANK	90	61	78	55	78	71		
20479620	LCS	106	66	55	68	87	87		
20479803	BLANK	89	79	58	73	70	105		
20479804	LCS	85	8.i	56	75	72	94		
	QC limits:	25-133	36-10B	10-109	21-120	15-113	17-130		
***************************************	Sur 1: 2,4,6-Tribre		All Agencia and All States and All S		Sur 5: Pher	1-6		***************************************	W-1E
	Sur 2: 2-Fluorobip				Sur 6: Temp	bonyl-di4 (S)			

Sur J: 2-Fluorophenol (S)

page 100 of 141

Sur 4: Nitroberteme-d5 (S)

^{*} desistive increngate receivery sections of QC Smile.
Defenders correspote receivery be certain or QC Smile.
Defenders correspote receivery by certains of QC Smiles due for sample diffusion, and its and smeldered an extension.
A Lab HD consisting of a basis anabole with to 8 mills in a sanched blank.
A Lab Downstring of a basis number with a first list in a LCS.
A Lab HD with a MSD soft in a smelle upine.
A Lab HD with a MSD soft it is a smelle upine.



Pace Analytical Services, Inc. 1000 Rivertend Blvd, Suite F St. Rose , LA 70087

Phone: 504,469,0333 Fax: 504,469,0555 LELAP 8 02006

Report:	20 <u>63683</u>	Batch: <u>781</u>	<u>44</u>						
Lab ID	Type and	Ser 1	Sur I	Ser 1	Sur 4	Sur S	Sar 6	Sar 7	Sor 8
	Qualifiers	%Rec	%Rec	%Rec	%Rec	%Rec	%Rec	WRE	%Rec
20479409	Sample	107	96	97					
20479410	Sample D2	90	104	91					
20480053	OQS	110	84	99					
20480112	BLANK	111	ios	101					
20480113	LCS	95	92	ici					
20480114	MS	95	85	99					
20480115	MSD	96	85	99					
20480131	BLANK	109	102	99					
2048D132	LCS	92	92	101					
20480670	BLANK	112	103	100					
20480871	LCS	94	98	100					
	QC limia:	55-154	57-136	64-129			***************************************	***************************************	***************************************

Sur I: 4-Bromofiuorobcuzene (S)

Sur 2: Dibromofluoromethane (S)

Sur 3: Toluene-d8 (S)

page 101 of 141

[&]quot; denotes perrogen's respects declide al GC Smile.

D decades successive repressy to metale of GC Smile.

D decades successive repressy to metale of GC Smile due to admit discussion, and to aut associatived as eso-terious.

A Lab 10 modelling of a duble towardor with to a medical blook.

A Lab 10 modelling of a basic towardor with to a first to an excession.

A Lab 10 modelling of a basic towardor with a first file as LCS.

A Lab 10 with a MSO octils to emotic upile.

A Lab 10 with a MSO octils to emotic upile.



Pace Analytical Services, Inc. 1000 Rherbard Bird. Suite F St. Rose, LA 70087

Phone: 504,469,0033 Fax: 504,469,0555 LELAP # 02008

Report: 2063683		Batch: <u>78240</u>								
Lab ID	Type and	Sur 1	Sur 1	Sur 3	Sur 4	Sur 5	Sur 6	Ser 7	Ser #	
	Qualiflers	%Rec	%Rec	%Rec	%Rec	%Rec	%Rec	KRec	%Rec	
20479408	Sample P5	96	111	102			A CONTRACTOR OF THE CONTRACTOR	7,4		
20479411	Sample P5	95	109	101						
20479412	Sample P5	92	107	100						
20479413	Sienple P5	87	105	101						
20479414	Sample P5	93	106	101						
20480615	BLANK	110	106	101						
20480616	LCS	103	94	100						
20489617	MS	93	98	163						
20460618	MSD	94	94	102						
QC limits:		45-146	\$0-137	51-140			****	***************************************		

Sur 1: 4-Bromoftworobenzone (S) Sur 2: Dibromoftworomethane (S)

Sur 3: Tobuene-d8 (S)

How Orinans Laboratory Corollections
Londons Stages of Environmental Questy (LEE, AP) - 0.00th
Annuaus Diegs, of Environmental Questy (LEE, AP) - 0.00th
Annuaus Diegs, of Environmental Questy - 82-005
Louisians Diegs, of Housts and Houston I foreign Weber - LADBO
Florida Diegs of Houston (Eng.) - ER/388
Kanasa Diegs of Houston Environment - 5-103-06
K

page 102 of 141

Acustes mirrigal e recevery aprilde of QC faults.

depotes correspond removery is available of OC limits free to sample d'Folina, and in ant considered an excerdi-

Lab ID seculting of a batch number with a 2 onto it on LCL

n Lan de vide e men meter sen meter geloe. A Lan de vide e mest meter ben meter geloe de pilone.



Report of Method Blank

Pace Analytical Services, Inc. 1000 Riverbend Bird, Suite F St. Rose , LA 70087

Phone: 504.469.0333 Fax: 504.459.0555 LELAP # 02005

Lab ID: 20479440

Description: 8260 VOAs Full List Water BLK

Project No.: 2063683

Method: EPA 8260

Batch: 77997

Units: ug/L

Prep Factor: 1

Leached:

Prepared: 20-Oct-06 Analyzed: 10/20/06 15:02 EMP411

					Reporting	
CAS Number	Parameter	Dilation	Result	Qμ	Umli	
67-64-1	Accione	i	ND	All	10.0	
75-05-8	Acetonistilo	1	ND		100.	
107-02-8	Acrolein	Ĭ	ND		20.0	
107-13-1	Acrylopitale	ŧ	ND		20,0	
107-05-1	Allyl chloride	1	ND		10,0	
71-43-2	Benzere	1	ND		5.60	
74-97-5	Bromochloromethane	i	ND		5.00	
75-27-4	Bromodichiorocycliune	1	ND		5,00	
75-25-2	Bromoform	1	NI		5.00	
74-83-9	Bromomethase	i	ND		5,00	
78-93-3	2-Butsnoon (MEK)	1	ND	Aïï	10,6	
104-51-8	n-Butylbennese	1	ND		5,00	
135-98-8	sec-Butylbenzaue	1	ND		5.00	
98-06-6	ten-Butylbourne	1	ND		5.00	
75-15-0	Carbon disulfide	i	ND		5.00	
56-23-5	Carbon tetrachloride	*1	ND		5.00	
106-90-7	Chlorobonsene	1	ND		5.00	
75-00-3	Chloroctione	1	ND		5.00	
110-75-8	2-Chloroethylvinyl ether	1	ND		20.0	
67-66-3	Chloroform	1	ND		5.00	
74-87-3	Chloromethanc	1	ND		5.00	
126-99-8	Chloropmat	L	ND		5.00	
95-49-8	2-Chlorolohiene	1	ND		5.00	
196-43-4	4-Chlorotohiene	1	ND		3.00	
96-12-8	1,2-Dibrome-3-chloropropane	ŧ	ND		5,00	
124-48-1	Dibromochloromethene	E	ND		\$.00	
106-93-4	1,2-Dibromoshane (EDB)	1	ND		5,00	
74-95-3	Dibromomethage	1	ND		5.00	
95-50-1	1,2-Dichlorobengene	1	ND		5.00	
541-73-1	1.3-Dichlorobenzene	1	ND		5.00	
106-46-7	1,4-Dichlerobenzene	Ĭ	ND		5,00	
110-57-6	trans-1,4-Dichloro-2-beime	I.	ND		5.00	
75-71-8	Dichlorediffarromethane	Í	ND		5.00	
75-34-3	1,1-Dichloroethane	ŧ	ND		\$,00	
107-06-2	1.7-Dichlomethane	1	ND		5.00	
75-35-4	1,1-Dichlorosthene	1	ND		5.00	

page 103 of 141

ND density Pad Deinsted of or observ the expecting State.

DE densities Engine Connect.

RL densities Engine Reporting Limbs.

RL densities amplie Reporting Limbs.

Chy lists qualifiers. Specific qualifiers are defined at the red of the expert.

Australs performed in (3) First Orienna, (3) Batton Rouge, (3) Sannier City, (4) Hamiling, or (4) when



Pace Analytical Services, Inc. 1000 Riverbend Blvd, Suite F St. Rose , LA 70087

Phone: 504.469.0533 Fex: 504.469.0555 LELAP # 02006

Lab ID: 20479440

Description: 8260 VOAs Full List Water BLK

Method: EPA 8260

Project No.: 2063683

Batch: 77997

Units: ug/L

Prep Factor: 1

Leached:

Prepared: 20-Oct-06 Analyzed: 10/20/06 15:02 RMP(1)

CAS Number	Parameter	Diletion	Result Qu	Reporting
				A CONTRACTOR OF THE PARTY OF TH
156-59-2	cis-1,2-Dichloroethene	1	ND	5,00
156-60-5	trans-1,2-Dichleroethene	•	ND	5.00
78-87-5	1,2-Dickloropropunc	1	ND	5.00
142-2B-9	1.3-Dichloropropane	1	ND	5.00
594-20-7	2.2-Dichlosopropune	1	ND	5.00
563-58-6	1,1-Dickloropropene	1	ND	5,00
10061-01-5	cis-1_3-Dichloropropene	1	ND	5.00
10061-02-6	trans-1,3-Dichloropropene	1	ND	\$.00
123-91-1	I,4-Dioxant (p-Dioxant)	Ĭ	ND	250,
100-41-4	Ethythemene	ĭ	ND	5,00
97-63-2	Ethyl methacrylate	1	מא	10.0
591-78-6	2-Hexanous	i i	ND	10.0
74-88-4	kodomatiane	i	ND	5.0g
78-83-1	kobusanci	Ĭ	ND	250.
98-82-8	Bopropylbeszene (Cumene)	1	ND	5.00
99-87-6	p-isopropy kobsene	1	ND	5.00 .
126-98-7	Methoczylositrile	1	ND	₹00.
75-09-2	Methykor chkwide	ŧ	1.60 I A11	5,00
80-62-6	Methyl methacrylate	3	ND	10.0
10B-10-1	4-Methyl-2-pentanone (MBK)	1	ND	10.0
1634-04-4	Methyl-test-butyl other	1	ND	5.00
91-20-3	Napinhalone	1	ND	\$,00
107-12-0	Propiocitrile	ı	ND	20.0
103-65-1	n-Propylbenzené	i	ND	5.60
100-42-5	Styrese	1	ND	5.90
630-20-6	1,1,1,2-Tetrachlorocthane	1	ND	5.00
79-34-5	1,1,2,2-Terrachkoroethane	ı	סא	5.00
127-18-4	Tetrachloroethene	•	ND	5.00
108-88-3	Tolucoe	1	ND	5.60
87-61-6	1,2,3-Trichlorobenzene	1	ND	5.00 °
120-82-1	1,2,4-Trichlorebenzene	\$	ND	3.90
71-55-6	1,1,1-Trichloroethane	1	ND	5.00
79-00-5	1,1,2-Trichloroethane	1	ND	5.00
79-01-6	Trichleroethene	\$	ND	5.00
75-69-4	Trichlorofluoromethane	1	ИD	5.00
96-18-4	1,2,3-Trichloropropane	i.	מא	\$.00

page 104 of 141



Pace Analytical Services, Inc. 1000 Riverbend Bird, Suite F St. Rose , LA 70087

Phone: 504,469,0333 Fac: 504,469,0555

Lab ID: 20479440

Description: 8260 VOAs Full List Water BLK

Project No.: 2063683

Units: ug/L

Method: EPA 8260

Batch: 77997

Prep	Factor:	1

Leached:

Prepared: 20-Oct-06

Analyzed: 10/20/06 15:02 RMF (1)

CAS Number	Pareneter	Dilution	Repult	Q#	Reporting Limit	
526-73-8	1.2,3-Trimohylbenzese	1	ND		5.00	Winter - Market Hale
95-63-6	1,2,4-Trimethylbenzene	1	ND		5.00	
108-67-8	1,3,5-Trimethy/benzene	ť	ND	*	5.00	
108-05-4	Vinyi scetate	1	ND		10,0	
75-01-4	Vizyl chloride	1	ND		5,00	
	m&p-Xylene	1	ND		5.00	
95-47-6	o-Xylene	1	ND		5.80	

TO COMPANIES OF PROPERTY

NI) deades Not Detected at or show; the reposition deads.
DF deases Muchan Fasser.
RL deades sample Appeting Link.
DF Main guilden. Specific gradities, and the one of the reposit.
An adjula performed in (1) New Orleans. (2) Datas Anage. (3) Aussion Chy, 2) Ma

page 105 of 141



Paca Analytical Services, Inc. 1000 Riverband Shd. Suite F St. Rose , LA 70087

Phone: 504,469,0333 Fax: 504,489,0555 LELAP # 02006

Lab ID: 20479619

Description: 8270 SVOAs Dual pH

Method: EPA 8270

Project No.: 2063683

Batch: 78032

Units: ug/L

Prep Factor: 1

Leached:

Prepared: 23-Oct-06

Analyzed: 10/25/06 11:23 IAM (I)

CAS Number	the constant	Dilation	Real	Qu	Reporting Limit
****************	Parameter	and a second		Λ's	10.0
83-32-9	Accemphaticae	*	ND		0.04
208-96-8	Acceptabylanc	Į.	ND		
62-53-3	Aniline		ND		10.0
120-12-7	Anthrecms	ŧ	ND		10,0
56-55-3	Boszo(a)unibracene	1	ND		10.0
205-99-2	Benzo(b)(huoranthene	I	ND		0.01
207-08-9	Benzo(k)fluoranthene	1	NO		10,0
65-85-0	Bestzoic acid	1	ND		25.0
191-24-2	Benzo(g.b.i)perylene	I	ND		10.0
50-32-8	Benzo(s)pyrose	1	ND		10.0
100-51-6	Benzyi alcohol	1	MD		10,0
92-52-4	Biphenyl (Diphenyl)	į,	ND		10.0
101-55-3	4-Bromophenylphonyl ether	į	ND		10.0
85-68-7	Butythenrylphthalate	i.	ND		10.0
86-74-8	Carbazole	1	ND		0,01
59-50-7	* 4-Chloro-3-methylphonol	1	ND		10,8
106-47-8	4-Chiorosalline	1	ND		60,0
111-91-1	bis(2-Chloroethoxy)methane	1	ND		0.01
111-44-4	bis(1-Chlorochyl) oher	1	ND		0,01
91-58-7	2-Chloronaphthalens	1	ND		0,01
95-57-8	2-Chlorophesol	1	ND		10.0
7005-72-3	4-Chlorophonylphonyl ether	1	ND		10,0
218-01-9	Chrysone	1	ND		10.0
53-70-1	Dibenz(a,h)authracene	1	ND		0.0
132-64-9	Dibonzofureo	1	ND		10.0
95-50-1	1.2-Dichlorobenzene	t	ND		10.0
541-73-1	1.3-Dichlombenzene	ı	ND		10.0
106-46-7	1.4-Dichiombenzene	1	ND		10.0
91-94-1	3,3'-Dichlombenzidine	ŧ	ND		20.0
120-83-2	2,4-Dichlorophenal	1	ND		10,6
84-66-2	Disthylphthulate	. 1	ND		10.6
105-67-9	2,4-Dimethylphenel	ŧ	ND		10.0
131-11-3	Dimethylphthalate	1	ND		10.0
84-74-2	Di-n-butyipèshalate	1	ND		0.01
534-52-1	4,6-Dinitro-2-methylphenol	1	ND		10.0
99-65-0	1.3-Dinitrobenzene		ND		10.0

page 106 of 141

NO denotes Not Detected at an above the reporting Real.

Df denotes Dibulou Factor.

RL denotes Dibulou Factor.

RL denotes enople tiquarting Lipsk.

Que But qualifiers. Spartly equilibres nor deduced at the code of the report.

As alyale performed in (1) New Orlessa, (1) Bulou Rouge, (3) Reader (317, 41)

⁽LELAP) - DIDOC



Pace Analytical Services, Inc. 1000 Riverband Blvd. Suite F St. Rose , LA 70097

Phone: 504,469,0333 Fax: 504,459,0555 LELAP II 02006

Lab ID: 20479619

Description: 8270 SVOAs Dual pH

Batch: 78032

Method: EPA 8270

Units: ug/L

Prep Factor: 1

Leached:

Project No.: 2063683

Prepared: 23-Oct-06 Analyzed: 10/25/06 11:23 JAMED

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	
51-28-5	2.4-Dinitrophenol	1	ND	****	10.0	Haine
121-14-2	2.4 Dimitrotolucise	1	ND		10.0	
606-20-2	2.6-Dinitrotolucus	1	ND		10.0	
117-84-0	Di-n-octylphthalate	1	ND		10.0	
88-85-7	Dinoseb	•	ND		10.0	
117-81-7	bis(2-Ethylhexyl)phthainte	· ·	ND		10.0	
206-44-0	Fluoranibene	•	ND		10.0	
86-73-7	Fluorene	ì	ND		10.0	
87-68-3		ì	ND		10.0	
	Hexachdoro-1,3-hotadiene	3			10.0	
118-74-1	Hexachlorobenzene	1	ND			
77-47-4	Hexachlorocyclopentadiene	1	ND		10.0	
67-72-1	Herschlorethane	1	מא		10.0	
193-39-5	indeno(1,2,3-cd)pyrene	L .	ND		10,0	
78-39-i	kopkwose	1	ND		10.0	
91-57-6	2-Methylnaphthalene	1	ND		10,0	
95-48-7	2-Methylphenol (o-Cresol)	• 1	ND		- 10.0	
106-44-3	4-Methylphenol (p-Cresol)	i	ND	A7	10.0	
91-20-3	Napishalena	1	ND		10.0	
88-74-4	2-Nitrouniline	1	ND		10,0	
99-09-2	3-Mitroaniline	1	ND		10.G	
100-01-6	4-Nitrossiline	1	ND		0.01	
98-95-3	Nitrobenzene	1	ND		10.0	
88-75-5	2-Nitrophenol	1	ND		0.01	
100-02-7	#-Nitrophesol	1	ND		10.0	
621-64-7	N-Nitrose-di-n-propyfamine	1	ND		0.01	
86-30-6	N-Nitrosodiphenylamine	1	ND	Alo	10.0	
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND		10.0	
87-86-5	Pentachlorophenol	1	ND		0.01	
85-01-6	Phenenthrose	3	ND		10,0	
108-95-2	Phenol	I	ND		10.0	
129-00-0	Pyrene	i	ND		10.0	
95-94-3	1,2,4,5-Terachlombenzene	ì	ND		0.01	
58-90-2	2,3,4,6-Tetrachiomphenol	ĭ	ND		0.01	
120-82-1	1,2.4-Trichlombeneene	1	ND		0.01	
95-95-4	2,4,5-Trichlorophenol	1	ND		10.0	
88-06-2	2,4,6-Trichlorophenol	1	ND		10.0	

page 107 of 141

contact Not Developing as or above the reporting final.

- seeks Dichridos Partes.

- seeks Dichridos Partes.

- seeks Dichridos Partes.

- seeks angule Partes.

- seeks angu



Pace Analytical Services, Inc. 1000 Reverbend Blvd. Suite F St. Rose , LA 70087

Phone: 504.469.0333 Fee: 604.469.0555 LELAP # 02006

Lab ID: 20479619

Description: 8270 SYOAs Dual pH

Method: EPA 8270

Project No.: 2063683

Batch: 78032

Units: yg/L

Prep Factor: 1

Leached:

Prepared: 23-Oct-06

Analyzed: 10/25/06 11:23 IAMID

CAS Number

Dilution

Result

Qu

Reporting Limit

72 compound(it reperted

ND denotes Tade Detacted at or above the reporting hadd.

DF denotes Dipelop Facear.

REL detacted tagget Reporting Limit.

Qu likes pandiffers. Spatish speakbers not defined at the end of the report.

Analysis performed in (2) [New Orleans. (2) British Reage. (3) Renter Crip. (4) Henri

page 108 of 141



Pece Analytical Services, Inc. 1000 Reverbend Blvd. Suite F St. Rose , LA 70087

Phone: 504,469,0333 Fex: 504,469,0555 LELAP # 02006

Lab ID: 20479640

Description: 8270 SVOAs Low Soil

Method: EPA 8270

Project No.: 2063683

Batch: <u>77879</u>

Units: ug/kg

Prep Factor: 1

Lesched:

Prepared: 24-Oct-06

Analyzed: 10/27/06 10:08 16MID

CAS Number	Parameter	Dilation	Result	Qu	Reporting Limit
83-32-9	Acenaphiliene	1	מא		313.
208-96-8	Accnaphthylene	1	ND		333,
98-86-2	Acetophenone	1	ND		333.
53-96-3	2-Acetyluminofluorene	1	ND	4	333.
92-67-1	4-Aminobiphenyl	1	ND		333,
62-53-3	Anilloc	1	ND		333.
120-12-7	Arthracene	1	ND		,131,
140-57-8	Amenito	1	ND		333.
56-55-3	Benzidalanthracene	1	ND		133.
205-99-2	Benzo(b)fluorambene	t	ND		333.
267-08-9	Benzo(k)fluoranthene		ND		333,
65-83-0	Benzoic acid	1	ND		853.
191-24-2	Benzo(g.h.i)pcylcae	1	ND		333.
50-32-8	Всодо(в)ругере	1	ND		333.
3-12-001	Bergyl alcohol	ì	ND		333.
92-52-4	Biphenyl (Diphenyl)	. 1	· ND		333.5
101-55-3	4-Bramophenylphenyl ether	i	ND		333.
85-68-7	Butylbenzylphthalate	1	ND		331.
BS-74-8	Cartezok	1	ND		333.
59-50-7	4-Chicro-3-methylphenol	;	ND		333.
106-47-8	4-Chloroanilline	1	ND		333.
111-91-1	his(2-Chlorocthoxy)methane	1	ND		333.
111-44-4	his(2-Chlorochyl) alta	1	ND		333.
91-38-7	2-Chloronephthalene	i	ND		333.
95-57-8	2-Chiorophenot	1	ND		333.
7005-72-3	4-Chlorophenylphenyl cates	1	ND		333,
218-01-9	Chrysens	I	ND		333.
\$3-70-3	Dibenz(a,h)anthracene	1	ND		335.
132-64-9	Dibenzofurus	Į.	ND		333.
95-50-1	1,2-Dichlorobouzone	ı	ND		333.
541-73-1	1,3-Dichlorobouxene	ŀ	ND		333.
106-46-7	1,4-Dichlorobenzene	ŧ	ND		333.
91-94-1	3,3'-Dichlorobenzidine	1	ND		667.
120-63-2	2,4-Dichlerophenol	i	ND		333,
87-65-0	2.6-Dichlorophonol	1	ND		333,
84-66-2	Dicthylphtholasc	1	KD		333 _x

page 109 of 141

ICD deceases Not Deceaved at or under the expensive hints.
De deceases distributes Decease.
RL deceases number Reporting Limit.
Que liste qualifier. Especific qualifiers new dolland at the und of the expens.
Analysis performed in (1) New Corlessa, (3) Salvon Rongo, (3) Manufar Clby, (4) Housens, or (\$1 as deceases to finish.



Pace Analytical Services, Inc. 1000 Riverbend Blvd, Suita F St. Rose , LA 70087 Phone: 504,469,0333 Fex: 504,469,0555 LELAP 8 02006

Lab ID: 20479640

Description: 8270 SVOAs Low Soil

Project No.: 2063683

Method: EPA 8270

Batch: 77879

Units: ug/kg

Prep Factor: 1

Leached:

Prepared: 24-Oct-06

Analyzed: 10/27/06 10:08 JAM/III

CAS Number	Parameter	Dilution	Result	Oa	Reparting Lindt
		***************************************		A=	
68-11-7	P-Dimethylaminoarobenzene	1	ND		333.
57-97-6	7,12-Directhylbennia)ambracene	1	ND		333.
119-93-7	3,3'-Dimethylbenaidine	t	ND		333.
105-67-9	2,4-Dimothylphonol	1	ND		333.
122-09-8	e,e-Dimethylphenylethylamine	1	ND		333.
131-11-3	Dimethylphthalate	1	ND		333.
84-74-2	Di-n-butylphthalate	1	ND		333.
534-52-1	4,6-Diniero-2-methylphenol	‡	ND		333.
99-65-0	1,3-Dinimbenneas	1	ND		313,
51-28-5	2.4-Dinisophesol	1	ND		333,
121-14-2	2.4-Dinitratolaene	ŧ	ND		333.
606-20-2	2,6-Dinitrotolucne	1	ND		333,
117-84-0	Di-n-netylphthalate	ı	ND		333.
86-85-7	Dinateb	ŧ	ND		133,
117-81-7	his[7-Ethylbexyf)phthalate	1	ND		333.
62-50-0	Eshyl methanesulforate	1	ND		333.
206-44-0	Fluorenibuso	I	ND		333.
86-73-7	Fluorene	1	ND		333
87-68-3	Rexachioro-1,3-butadiene	1	ND		333.
118-74-1	Hexachlorobenzens	í	ND		333.
77-47-4	Hexachlorreycloperandiene	ı	ND		333.
67-72-1	Hexachicanethane	ı	ND		333.
70-30-4	Hexachlerophene	1	ND		3330
1888-71-7	Hexachkeopropene	1	ND		333,
193-39-5	Indeno(1,2,3-cd)pyrext	1	ND		333.
78-59-1	sophorose ,	1	ND		333.
120-58-£	Isosafiele	1	ND		333.
91-80-5	Methapyrikus	1	ND		333.
56-49-5	3-Methylicholismihrene	t	ND		333.
66-27-3	Methy) methanesulfense;	1	ND		333.
91-57-6	2-Methylmphibakase	1	ND		333.
95-48-7	2-Mahylphenol (o-Cresol)	i	ND		333.
108-39-4	3-Michylphenol (m-Crosol)	1	ND	A2	333.
106-44-5	4-Methylphenol (p-Cresol)	1	ND	ΑÏ	333.
91-20-3	Naphthalene	1	ND		333.
134-32-7	1=Naphthaleneamine	ı	NO		333.

page 110 of 141



Pece Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose , LA 70087

Phone: 504,469,0333 Fax: 504,469,0555 LELAP # 02006

Lab ID: 20479640

Description: 8270 SVOAs Low Soil

Method: EPA 8270

Project No.: 2063683

Batch: 77879

1000

Units: ug/kg

Prep Factor: 1

Leached:

Prepared: 24-Oct-06

Analyzed: 10/27/06 10:08 IAM (1)

CAS Number	Personer	Dilution	Result	Qe.	Reporting Limit	
91-59-8	2-Naphihaleneamine	1	ND	1 -	333.	
130-15-4	2-people in a contract of the	1	ND		1670	
88-74-4	2-Nitrosniline	•	ND		333.	
			ND		333.	
99-09-2	1-Nitroxuiline				333.	
100-01-6	4-Nitrounilies		ND			
98-95-3	Nitrobenzene	1	ND		311.	
8B-75-5	2-Nitrophenol		ND		333.	
100-02-7	4-Nitrophenol	j	ND		333.	
56-57-5	4-Nitroquipoline-n-oxide	1	ND		333.	
99-55-8	5-Nitro-o-taluidine	•	dи		333,	
55-1 8 -5	N-Nitros odiethylamine	ì	ND		333.	
62-75-9	N-Nitrosodimethylamine	1	ND		333.	
924-16-3	N-Nitroso-di-n-butylamine	1	ND		333.	
521-64-7	N-Nitroso-di-n-propytamine	1	ND		333.	
86-30-6	N-Nikrosodiphenylamine	1	ND	A10	333.	
10595-95-6	N-Nitrosomethylethylumina	*1	ND	*	333.	*
59-89-2	N-Nitroscoorpholine	1	ND		333.	
100-75-4	N-Nitrocopiperidine	1	ND		333.	
930-55-2	N-Nitrosopyrrolidine	1	HD		333.	
108-60-1	2.2'-Oxybis(1-chloropropass)	ı	ND		333.	
608-93-5	Penachkombenzene	1	ND		333.	
76-01-7	Penachloroethme	1	ND		333.	
52-6R-8	Pentachlorenstrobenzone	ŧ	ND		333.	
87-86-5	Peniachlorophenol	1	ND		333.	
62-44-2	Phenaccin	\$	ND		333,	
85-01-8	Phonenthrene	Ė	ND		233.	
108-95-2	Phenol	1	ND		333.	
106-50-1	p-Phenylenedismins	ì	ND		133.	
109-06-8	2-Picoline	1	ND		133.	
23950-58-5	Pronemide	ŧ	ND		333.	
129-00-0	Pyrene	1	ND		333.	
110-86-1	Pyridine	į	ND		313.	
94-59-7	Safrok	1	ND		33).	
95-94-3	1,2,4,5-Teirachlombenzene	\$	ND		333.	
58-90-2	2,3,4,6-Tetrachlorophenol	t	ND		333.	
95-53-4	O-Tobuidine	1	ИĎ		333.	

page 111 of 141

ND decoses Not Detacted at ar above the expanding Statis.

DF decoses Dilution Foreyr.

RL decoses Dilution Foreyr.

RL decoses Decoy Reporting Limb.

Que list qualifier. Sportle, qualifiers are decision at the wind at the expans.

Analysis performed in (1) New Octoon. (3) Roday Rouge. (3) Sunsine City, (4) Hospins. or (8) unbooste

nefronmental Guelly (LELAP) - uz velantimental Guelly - 88-081 vella mel Hospitok / Drinking Wei to (NELAC) - E87305 No. Emilantiment - E-10266 turn Paridan Eoli Parmit - E-17276



Pace Analytical Services, Inc., 1000 Evertend BMJ, Suite F St. Rose , LA 70087

Phone: 504,489,0333 Fex: 504,489,0555 LELAP # 02008

Lab ID: 20479640

Description: 8270 SVOAs Low Soil

Batch: <u>77879</u>

Method: EPA 8270

Units: ug/kg

Prep Factor: 1

Leached:

Prepared: 24-Oct-06

Project No.: 2063683

Analyzed: 10/27/06 10:08 JAM/II)

APR 2 APR 10 1 1 1 1		moža usklu u	Showali	ñ.	Repording Light	
CAS Number	Parameter	Dilution	Result	Óя		AND THE PROPERTY OF THE PROPER
120-82-1	1,2,4-Trichlorobenzene	Ī	ND		333.	
95-95-4	2,4,5-Trichkrophenol	ı	ND		333.	
88-06-2	2.4.6-Trichlorophenol	ŧ	ND		333.	
99-35-4	1,3,5-Trinitrobenzene	1	ND		333.	

112 companies (d) reported

page 112 of 141



Pace Analytical Services, Inc. 1000 Riverband Bard, Suite F St. Rose , LA 70087

Phone: 504,469,0333 Fax: 504,469,0555 LELAP # 02006

Lab ID: 20479649

Method: EPA 8270

Description: 8270 SVOAs SIM Water

Project No.: 2063683

Batch: 77913

Units: ug/L

Prep Factor: 1

Leached:

Prepared: 23-Oct-06

Analyzed: 10/24/06 13:43 JAKID

CAS Number	Patameter	Pilation	Result	Qя	Reporting Limit	
83-32-9	Accomplisherse		ND	77	0.100	
208-96-8	Accemplatiylene	1	ND		0,100	
120-12-7	Anthracene	ì	ND		0.100	
56-55-3	Bennes anthracene		ND		0,100	
205-99-2	Berray(b)(huomathene	¥	ND		0.100	
207-08-9	Betweek)(hyonanthene	1	ND		0.890	
191-24-2	Benzo(g,h,i)perylene	I	ND		0,100	
50-32-8	Вспли(в)ручене	1	ND		0.100	
215-01-9	Chrysene	1	ND		0.100	
53-70-3	Dibens(s,b)sothracese	t	ND		0,100	
206-44-0	Fluorantiene	1	ND		0,100	
86-73-7	Phonenc	1	ND		0.100	
193-39-5	indexa(1,2,3-cd)pyrene	1	ND		0.100	
90-12-0	t-Methylnaphtbalene	1	ND		0.100	
91-57-6	2-Methylasphthulene	ţ	ND		0.100	
91-20-3	Naphthalese	1	ND ·		0,100	
85-01-8	Phenauthrene	1	ND		0.850	
129-00-0	Pyrene	È	ND		0.100	

page 113 of 141

NU densites Net Descript of an above the reporting Built.

DE drawets Diludion Factor.

Bi domin rempir Reparting Link.

On light qualifiers. Spacific qualifiers are deflaced at the end of the report.

New Orleans Laboratory Cartifications
Louisians Date of Environmental Quality (EELAM, e2000
Attendate Date of Environmental Quality (EELAM, e2000
Attendate Date of Environmental Quality : 88-693)
Louisians Organ of Inde



Pace Analytical Services, Inc. 1000 Rivertend Bird, Suite F St. Rose , LA 70087

Phone: 504.469.0333 Fax: 504.469.0555 LELAP 3 02006

Lab ID: 20480131

Description: 8260 VOAs Full List Low, BLK

Project No.: 2063683

Method: EPA 8260

Batch: 78144

Units: <u>ug/kg</u>

Prep Factor: 1

Leached:

Prepared: 25-Oct-06

Analyzed: 10/25/06 22:21 DEL(I)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Lindi	
67-64-1	Acciont	1	ND	All	10.0	**********
71-43-2	Benzene	1	ND		5.00	
75-27-4	Resmodichloromethase	ĭ	ND		5,00	
75-25-2	Bromoform	ı	ND		5.00	
74-83-9	Bromomethane	1	ND		5.00	
78-93-3	2-Butanone (MEK)	1	ND	All	10.0	
75-15-0	Carbon disulfide	1	ND		5,00	
56-23-5	Carbon tetrachleride	1	ND		5.00	
FOB-90-7	Chlorobourse	1	ND		5.00	
75-00-3	Chlorocthane	1	ND		5.00	
67-66-3	Chloroform	i	ND		5,00	
74-87-3	Chloromethane	1	ND		5.00	
96-12-8	1,2-Dibromo-3-chleropropune	1	ND		5.00	
[24-48-]	Dibromockloromethane	1	NED		5.00	
75-34-3	I.I-Dichlerochune	1	ND		5.00	
107-06-2	1.2-Dichlorochane	1	ND:		5.00	
75-35-4	1.1-Dichloroethene	1	ND		5.00	
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	
156-60-5	trans-1.2-Dichloroethene	1	ND		5.00	
78-87-5	1.2-Dichlompropane	1	ND		5.00	
10061-01-5	cis-1,3-Dichlompropere	í	ND		5,00	
10061-02-6	trans-1,3-Dichloropropene	ľ	ND		5.00	
109414	Ethylbenzene	1	ND		5.00	
59 [-78-6	2-Hexanone	ì	ND		10,0	
78-83-1	isobutanol	í	ND		250.	
75-09-2	Methylene chloride	ŧ	ND	AU	5,00	
108-10-1	4-Methyl-2-permanene (MBK)	Į.	ND		10.0	
1634-04-4	Mothyl-tert-butyl ether	1	ND		5.00	
100-12-5	Styrena	i i	ND		5.00	
630-20-6	1,1,1,2-Terrachloroethane	ŧ	ND		5,00	
79-34-5	1,1,2,2-Tetrachlomethane	f	ND		5.00	
127-18-4	Tetrachioroethene	ŧ	ND		5.00	
[DB-88-3	Toluene	Ĭ	ND		5,00	
120-82-1	1,2,4-Trichknobenzene	Í	ND		5,00	
71-55-6	1,1,1-Trichlomethene	ŧ	ND		5.00	
79-00-5	1,1,2-Trichloroethane	i	ND		5.00	

omenia izensy i zenazy i med Mospitala / Driaking Wel SLAC) – Estasa Trinomiani – E-16206 Trinogo Boli Permit – E-17279

page 114 of 141



Pace Analytical Services, Inc. 1000 Riverband Blvd. Sulla F St. Rose , LA 70087

Prione: 504.469.0333 Fax: 504.469.0555 LELAP # 07006

Lab ID: 20480131

Description: 8260 VOAs Full List Low, BLK

Project No.: 2063683

Method: EPA 8260

Batch: 78144

Units: ug/kg

Prep Factor: 1

Lesched:

Prepared: 25-Oct-06

Analyzed: 10/25/06 22:21 DET4D

CAS Namber	Parameter	Diletion	Resil	Q#	Reporting Limit	
79-01-6	Trichknockens	1	ND		5.00	
75-69-4	Trichlorofluoromothane	1	ND		5.00	
75-01-4	Visyl chloride	1	ND		5.00	
	m&p-Xylene	1	0.690 1		5.00	
95-47-6	o-Xylene	1	ND		5.00	

⁴⁾ recursolici reservet

page 115 of 141

ND denotes for Detected at or above the reporting 8 mls.

FF denotes Dilution Force:

ILL denotes assume Reporting Limb.

Our birs specifies. Specific specifiers are defored at the end of the report.

Analysis performed in (1) New Orkson. (2) State Range, (3) Senter City, id; Hound.



Pace Analytical Services, Inc. 1000 Riverbord Blvd, Sute F St. Rose , IA 70087

Phone: 504.469,0333 Fax: 504.469,0555 LELAP & 02006

Lab ID: 20480615

Description: 8260 VOAs Med Soil Full BLK

Project No.: 2063683

Method: EPA 8260

Batch: 78240

Units: ug/kg

Prep Factor: 1

Leached:

Prepared: 27-Oct-06

Analyzed: 10/30/06 19:55 DET (1)

CAS Number	Parameter	Diletion	Reruli	Qв	Reporting Links	
67-64-i	Accione	District.	ND	All	500.	
71-4)-2	Renzene	1	ND	All	250.	
75-27-4	Bromodich loromethane	* *	ND		250. 250.	
NA.	Stranochensorbulennie		0.965		£34°	
75-25-2	Bromoform		ND C,3E,5		250,	
74-83-9	Bronconchanc	1	ND			
78-93-3		1	ND	411	250.	
	2-Butanone (MEK)			All	500.	
15892-23-6	sec-Butyl alcohol	1	ND		10000	
75-15-0	Carbon disulfide	ŧ	ND		250.	
56-23-5	Carbon tetrachloride	*	ND		250,	
108-90-7	Chlorobenzene	1	ND		250.	
75-00-3	Chlorosthane	1	ND		250.	
67-66-3	Chloroform	1	ND		250.	
74-87-3	Chloromethane	1	ND		250.	
110-82-7	Cyclohexene	1	ND		250.	
96-12-8	1,2-Dibrumo-3-chloropropuse	1	ND	•	250.	
124-48-1	Dibremochiceomethane	1	ND		250.	
75-34-3	I,I-Dichloroethane	1	ND		250.	
107-06-2	1,2-Dichloroethane	1	ND		250,	
75-35-4	1,1-Dichleroexbene	1	ND		250.	
156-59-2	cis-1,2-Dichlorocthene	1	ND		250,	
156-60-5	trans-1,2-Dichkroethene	ŧ	ND		250.	
78-87-5	1,2-Dichloropropune	i	ND		250,	
10061-01-5	cis-1,3-Dichloropropesse	1	ND		250.	
10061-02-6	ums-1,3-Dichloropropene	1	ND		250.	
100-41-4	Ethylbenzene	1	ND		250.	
110-54-3	g-Herane	1	ND		250.	
78-83-1	bokutanol	ı	ND		12509	
98-82-8	hopropylbenzene (Cumene)	ı	ND		250.	
75-09-2	Methylene chloride	1	\$1.5	F ATE	250 .	
108-10-1	4-Methyl-2 pentasone (MIBK)	Í	ND		500.	
1634-04-4	Methyl-ten-botyl ether	1	МĎ		250.	
100-42-5	Styrene	1	ND		250.	
630-20-6	1,1,1,2-Tetrachlorocthane	1	ND		250.	
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		250.	
127-18-4	Tetrachiorochene	1	ND		250,	

ND deuel to Nei Detector at or above the supporting Smil.

BF deuels Diffuctor Festor.

48. deuels exemple Reporting Limit.

On Since sublishen, Spattle well first sor de lived at the cod of the expert.

Analysis performed be 11) New Ordana, (2) Button Rouge, (3) Singular City, (4) it

page 116 of 141



Pace Analytical Services, Inc. 1000 Rivertend SIAL Softe F St. Rose, LA 70087

Phone: 504,469,0333 Fax: 504,469,6553 LELAP # 02006

Lab ID: 20480615

Description: 8260 VOAs Med Soil Full BLK

Project No.: 2053683

Method: EPA 8260

Batch: 78240

Units: ug/kg

Prep Factor: 1

Leached:

Prepared: 27-Oct-06

Analyzed: 10/30/06 19:55 DET.III

CAS Number	Persmeter	Dilution	Result	Qu	Reporting Limit
108-68-3	Toluene	<u> </u>	108.	J	250,
120-82-1	1,2,4-Trichlombenzene	1	ND		250.
71-55-6	1,1,1-Trichlemethane	ì	ND		250.
79-00-5	1,1,2-Trichloroethane	1	ND		250.
79-01-6	Trichlorocthese	ı	ND		250.
75-69-4	Trichloroflooromethane	¥	ND		250.
95-63-6	1,2,4-Trimethylbenzene	1	ND		250.
75-01-4	Vinyl chloride	t	ND		250.
	mAp-Xylene	1	ND		250.
95-47-6	o-Xylene	í	ND		250.

ales Not Deracted of or abanc the reporting Hadi. via Dibidies Foctor. et a snaple Reporting Linds. qualifiers. Sportike qualifiers are defined at the rad of the export. performed in (1) New Orknan (2) Esian Bouge. (3) Bouler City, (4) Houston, or (8) as been

page 117 of 141



Pace Analytical Services, Inc. 1000 Riverband Blvd, Suite F St. Rose, LA 70087

Proces: 504,469,0233 Fax: 504,469,0555 LELAP # 02006

Lab ID: 20480870

Description: 8260 VOAs Full List Low, BLK

Project No.: 2063683

Method: EPA 8260

Batch: 78144

Units: ug/kg

Prep Factor: 1

Leached;

Prepared: 27-Oct-06 Analyzed: 10/27/06 21:49 RMP (II

CAS Number	Patamater	Dilution	Rezek	Qu	Reporting Limit	
		*******				·····
67-64-1	Actions	i .	ND	All	10.0	
71-43-2	Benzene	Í	ND		5,00	
75-27-4	Bremodichkeromethere	I	ND		5.00	
75-25-2	Broncoform	1	ND		5.00	
74-83-9	Bromomethade	1	CM		S,00	
78-93-3	2-Butanone (MEK)	1	ND	All	0.01	
75-15-0	Carbon disulfide	1	ND		5.00	
56-23-5	Carbon texcachkoride	ŧ	סא		5,00	
108-90-7	Chlorobenzaje	Ĭ	ND		5.00	
75-00-3	Chloroethane	į.	ND		5.00	
67-66-3	Chloroform	\$	ND		5,00	
74-87-3	Chloromethuse	1	ND		5,00	
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5,00	
124-48-1	Dibrostochloromethane	Ĭ	ND		5.00	
75-34-3	1,1-Dichloroethane	1	ND		5.00	
107-06-2	1,2-Dichlorocthane		ND		- 5.00	
75-35-4	1,1-Dichloroethese	ŧ	ND		5.00	
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00	
156-60-5	trans-1,2-Dichlomethene	1	ND		\$.00	
78-87-5	1,2-Dichloropropune	\$	ND		5,99	
10061-01-5	cis-1,3-Dichloropropere	1	ND		5.00	
10061-02-6	trezo-L3-Dichleropropene		ND		5,00	
100-41-4	Ethylbenzene	ı	ND		5.00	
591-78-6	2-Hexanone	ı	ND		10.0	
78-83-1	bobutanol	Ĭ	ND		250.	
75-09-2	Methylese chloride	i	1.70	ITA E	5.00	
108-10-1	4-Methyl-2-pentanone (MBK)	1	ND		10.0	
1634-04-4	Methyl-test-butyl ether	1	ND		5,00	
100-42-5	Styrene	i	ND		5.00	
630-20-6	1,1,1,2-Tetrachlorochane	1	ND		5,00	
79-34-5	1,1,2,2-Tetrachlorocthune	3	ND		5.00	
127-18-4	Tetrachloroeticae	1	ND		5.00	
108-88-3	Tolucine	ŧ	ND	+	5.00	
120-B2+1	t 2,4-Trichlorobenzene	F	ND		5,00	
71-55-6	1,1,1-Trichlorocthane	1	ND		5,00	
79-00-5	1.1.2-Trichloroethuse	1	ND		5.60	

page 118 of 141

ND denotes Not. Detected at an about the superstag Reads.
DF denotes Etherian Sactor.
RL denotes assume Reporting Lands.
Que links speatings. Spectic grantform or dellared as the sent of the export.
Analysis performed to (1) New Cristman, (2) Bette Rouge, (3) Bounder City, (4) Ha

Hew Grieans Laboratory

Report of Method Blank

Pace Analytical Services, Inc. 1000 Fevertend BMd, Sulls F St. Rose , LA 70087

Phone: 504,469,0333 Fax: 504,469,0555 LELAP # 02005

Lab ID: 20480870

Description: 8260 VOAs Full List Low, BLK

Project No.: 2063683

Units: ug/kg

Method: EPA 8260

Butch: 78144

Prep Factor: 1

Leached:

Prepared: 27-Oct-06 Analyzed: 10/27/06 21:49 RMF(I)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	
79-01-6	Trichloroethoue	1	ND		5.00	//////////////////////////////////////
75-69-4	Trichlorofluoromethane	1	ND		5,00	
75-01-4	Vinyl chloride	ı	ND		5,00	
	m&p-Xytece	1	ND		5.00	
95-47-6	o-Xylene	1	ND		5.00	

41 compared (c) reported

page 119 of 141



Pace Analytical Services, Inc. 1000 Riverbend Elnd, Sute F St. Roze, LA 70087

Phone: 504,459,0333 Fax: 504,489,0355 LELAP # 02006

Method: EPA 8015 Modified

Project: 2063683

LCS: 20479652 10/27/2006 5:44:00 PM

Batch: 77855

MS: 20478649 10/24/2006 3:52:00 PM

Units: mg/L

Original for MS: 20478173 Batch Sample

Parameter Name	LCS Spike		LCSD %Rec	 MS Spike	MS %Rec	MSD i		LCS	Linių M5/MSD	Max RPD	Qu
Diesel Range Organics (C10-28)	0,4	52		 0.1	0 *	0 *	57 •		3 10-171	20	QI

-denates sixtriny antalis of QC Bakes. US gallo contemperime or not correct for moletarix content of the pylind imagis. (I) MS NTO to (declaring the WADS triby; On the hole of gallot magis encountrions suther then agillo security 11/1/2005 14-02-25

New Orleans Laborosery Cartifications
Limited Dept. of Environmental Quality (LELAS) - 02008
American Dept. of Environmental Quality - 48-0481
American Dept. of Environmental Quality - 48-0481
American Dept. of Environmental Quality - 48-0481
Plottle Dept. of Health (Environmental - 4-0281
Raman Dept. of Health Systematical - 4-0281
LS. Deut. of Artificilian Environmental - 4-0281

page 120 of 141



Pace Analytical Services, Inc. 1000 Riverbend BArd, Suite F St. Rose, LA 70067

Phone: 504,469,0033 Fax: 504,469,0555 LELAP # 02006

Method: EPA 8015 Modified

Project: 2063683

LCS: 20479643 10/27/2006 2:24:00 PM

Batch: 77953

MS: 20479274 10/26/2006 7:46:00 PM

Units: mg/kg

Original for MS: 20478327 Batch Sample

Parameter Name	LCS Splice	LCS WRee	 	MS Spike	%Rec	(1)MS RPD	QC Limits LCS MS/MSD	Mer RPD	Qu
Diesel Range Organies (CI 0-28)	40	60		44	 65	6	55-140 10-17		

* 4 states receivery entitle's of QC Broks.

MS white reserved rations are not converted for makehore contents of the RPD in calculated the SW-866 rates; we the bests of up

11/7/7004 15:02:25 Amenges Dept. or Americanocus Buestly - 23-5637 Louisiana Dept. of Health and Houghtha for Principally Was Florido Dept. of Health [MELAQ - 527585 Renoad Dept. of Health Environment - 5:10216 US, Dept. of Apriculture Foreign Self Fermit - 5-47276

page 121 of 141



Pace Analytical Services, Inc. 1000 Rivebord Byd. Suke F SL Rose, LA 70087

Phone: 504,459,0333 Fax: 604,459,0555 £ELAP # 02005

Method: FPA 8015 Modified

Project: 2063683

LCS: 20479713 10/23/2006 2:42:00 PM

Batch: 78052

MS: 20479742 10/24/2006 6:52:00 PM

Units: me/kg

Original for MS: 20479409 Client Sample

Parameter Name		%Rec	LCSD %Rec	RPD		MSD (1)MS Wree RPD	QC Limits LCS MS/MSD	Max RPD	Qu
Gazoline Range Organics(C6-10)	2:	5 104	and the same and t	LOST OF THE PARTY.	25	48 6	70 - 146 20 - 15	6 20	

" displates encrossy assisted of CFC Augus.

My miles equagazistism ion and entropying for goodprive examines of the highland nameghe.

(1) MS CFC displated of MS 1485 miles; not the band of unfled panaghe concentrations entire than upthe innormely.

History Cohans Laboratory Cartifications
Lockions Dogs. If Environmental Ouezy (E.A.P): 2006
Afternam Dogs. If Environmental Ouezy (E.A.P): 2006
Afternam Dogs. If Environmental Ouely. E.A.Del?
Laukiness Dogs. If Health and Haspitals / Deleting Waser LA.0600 Z
Fortice Dogs. If Health (RELAC): EITES
Raneas Dogs. of Health Cartifications: E-10266

page 122 of 141



Pace Analytical Services, Inc. 1000 Fiveband Bird, Suite F St. Rose , LA 70087

Phone: 504.468.0333 Fax: 504.468.0333 LELAP 8.02006

Method: EPA 8015 Modified

Project: 2063683

LCS: 20480493 10/27/2006 1:32:00 PM MS: 20480368 10/26/2006 5:27:00 PM

Batch: 78193 Units: mg/L

0.5

Original for MS: 20479585 Batch Sample

Parameter Name

CS LCS LCSD LCS lke %Rec %Rec RPD

0.5 101

MS MS MSD (I)MS Spike WRIK WRIG RFD QC Limits M+1 LCS MS/MSD RPD 69 - 152 40 - 153 2

Max Qu RPD

Gasoline Range Organics (C6-10)

3 dempice recovery orbide at IQC Rulls.
MAS spike conscientious are not ascretcial by majazare concess of the spikes moneyle.
(1) MCRIPD is conscientious are not ascretcial by majazare concess of the spikes moneyle majazare.

New Orients Laboratory Deville citizen
Laboratory Deville citizen
Laboratory Deville citizen
Laboratory Deville Construction
Laboratory
Labora

page 123 of 141



Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose , LA 70087

Phone: 504,469,0333 Fex: 504,469,0555 LELAP # 02006

Method: EPA 8082

Project: 2063683

LCS: 20479663 10/30/2006 10:28:00 A MS: 20476100 10/4/2006 10:29:00 AM

Batch: <u>77402</u> Units: <u>ug/kg</u>

Original for MS: 20475887 Batch Sample

Parameter Name	LCS Spike	%Rec	LCSD %Rec	RPD	10 41 110		MSD %Rec			Limia MS/MSD	Mes RPD	Qu
PCB-1016 (Aroclor 1016)	333	90	 	- Yumailur o	333	51	58	14	46 - 12	9 10-144	20	
PCB-1260 (Aroclor 1260)	333	92			333	95	77	21 *	46 - 13	7 12 - 148	20	

* Standen Fesencry anisate of QC Hunks.
MES spike enconstruction for the sporter of his modulars sporters of the spiked sumple.
(8) MES PO hechapted that SW-866 releas on the hands of spiked anomals concentrations earlier than spike excepted.

New Orleans Leboratory Destitivations
Laubiana Dept. of Enricommental Questry (LELAP) - 0.0006
Actanase Dept. of Enricommental Questry - 87-085 (
Loubiana Dept. of Proath and Houghthair Destitiva Wester - LA06001
Florida Dept. of Houth Cit.A.C. - 127-85 (
Ranses Dept. of Houth Strick, - 127-85 (
Ranses Dept. of Houth Stricknesseut - 57-0038
(LS. 0891. of Approximent Foreign Sail Foreign - 5-1270)

page 124 of 141



Pace Analytical Services, Inc. 1000 Riverband Blvd, Suite F St. Rose , LA 70087

Phone: 504,469,0333 Fex: 504,469,0555 LELAP # 02005

Method: EPA 8082

Project: 2063683

LCS: 20479637 10/26/2006 6:07:00 PM

Batch: 78037

MS: 20479638 10/26/2006 6:37:00 PM

Units: ug/L

Original for MS: 20479415 Client Sample

Parameter Name	LCS Splke	LCS Witec	LCSD MRec	LCS RPD	MS Spike	M5 %Rec	%Rec		-	Limia MS/MSD		Qu
PCB-1016 (Arecler 1016)	10	72			20	91	93	3	43 - 14	3 33 - 140	\$ 20	
PCB-1260 (Areclar 1260)	10	61			20	76	80	\$	45 - 13	8 36-141	20	
I CHROCK IN TOWNED												

* despite the overy particle of QC limits.

M5 spiles resecrated has nee and corrected for medicate content of the spiked waspite
(1) M5 RTD to exhausted via \$50.444 evices on the hade of spiked sample conventor.

New Oriente Laboratory Certifications
Leukines Died, of Environmental Gealty (LELLP) - 02004
Leukines Died, of Environmental Gealty (LELLP) - 02004
Represso Died, of Freinfernesses Gealty - 84-568 (Leukines Died, of Freinfernesses Gealth / Districts Weier - LA00021
Freinfer Died, of Freinfernesses Gealth / Districts Weier - LA00021
Freinfer Died, of Freinfernesses Gealth - Environmental - Enviro

page 125 of 141



Pace Analytical Services, Inc. 1000 Rivebond Bird. Sute F St. Rose , LA 70087

Fixone: 504.469.0033 Fax: 504.469.0555 LELAP N 02008

Lablp	Type and	Ser 1	Sor 1	Ser 1	Sar 4	Sar 5	Sar 6	Sor 7	Sur #
	Qualiflers	%Rec	%Rec	%Rec	%Rec	%Rec	%Nec	%Rec	%Rec
20476098	BLANK	87	90	80	95				
20476099	LCS	98	93	80	BI				
20476100	MS GI	331 *	26	312 *	61				
20476101	MSD GI	163 *	64	132	58				
20478803	BLANK	108	111	99	110				
20478804	LCS	121	113	94	98				
20479408	Sample D2	71	68	0 D	61				
20479409	Sample G1	∌ 1	94	740 *	80				
20479410	Sample D2	125	107	OD	62				
20479411	Sample D2,G	123	91	621 D	79				
20479412	Sample D2,G	100	119	14600 D	53				
20479413	Sample D2.0	77	88	3220 D	76				
20479414	Sample D2.G	70	66	1410 D	58				
20479662	BLANK	110	[1]	99	110				
20479663	LCS	117	116	102	109				
(C limits:	30-150	15-172	30-150	10-151			***************************************	

Sur 1: Decachineobiphenyt (Conf)(S) Sur 2: Decachineobiphenyt (S)

y Cardicultons research Caustry (LCLAP) - 52008 mammatic Caustry - 62-0067 th and Hospitals (Drinking Wester -PACLAG) - CATASS Englishment - E-10246 w Fareign Englishment - 6-47270

page 126 of 141

Sug 1: Tetrachloro-ro-sylene (Conf)(S)

Sur 4: Tetrachlero-m-xylene (5)



Pace Analytical Services, Inc. 1000 Rheibend Blvd, Suite F SL Rose , LA 70087

Phone: 604,469,0333 Fax: 504,469,0555 LELAP # 07008

Report: 20	63683	Batch: <u>778</u>	<u>55</u>						
Lab ID	Type and	Surl	Sur 1	Sur 3	Ser 4	Ser 5	Sur 6	Sur 7	Sur B
	Qualiflers	%Rec	%Rec	%Rec	%Aec	%Rec	%Rec	%Rec	%Rec
20478647	BLANK	49	60						
20478648	LCS	\$8	63						
20478649	MS	74	63						
20478650	MSD	74	66						
20479415	Sample	111	106						
20479451	BLANK	86	78						
20479652	LCS	81	76						
Ö	C lámits:	14-169	36-142	Marie Ma	manage de la companya	***		- Annual	

Sur L: n-Pentacosane (S) Sur 2: o-Terphenyl (S)

page 127 of 141

[&]quot; demogra parragate errovery matede of QC finds.
D demogra parragate expresses having of QC finds,
D demogra parragate expresses having of QC finds due to nample déstion, and is not considered on never A Lab III (passisting et à nint les prostère 1983 à 6 milli ha marined binn).
A Lab III (matediag et à nint de proprier retik n. 5 milli ha ne LCE.
A Lab III) with a 1983 milli is a quarte apile.
A Lab III) with a 1983 milli is a quarte apile.



Pace Analytical Services, Inc. 1000 Rivertend Blvd. Sule F St. Rose , LA 70087

Phone: 504,469,0333 Fax: 504,469,0555 LELAP N 02006

Report: 2	1063683	Batch: 779	<u>53</u>		*				
Lab ID	Type and	Suri	Sor 2	Ser 3	Sur 4	Sur S	Ser 6	Sur 7	Sur 8
	Qualifiera	%Rec	%Rec	%Rec	%Rec	%Rec	%Rec	%Rec	%Rec
0479274	MS	92	91						
0479275	MSD	94	96						
0479408	Sample DI	28	362 D						
0479409	Sample	93	96						
0479410	Sample	85	81						
0479411	Sample D1	88	69						
0479412	Sample DI	88	33 D						
10479413	Sample D1	6 D	27 D						
0479414	Sample Di	48	15 D						
20479642	BLANK	78	79						
20479643	LCS	70	72						
20480073	BLANK	#8	94						
20450074	LCS	93	98						
	QC timits:	22-165	42-146						

Sur I: n-Pentacosane (S) Sur 2: o-Terphonyl (S)

11/7/2005 16:07:24

page 128 of 141

^{*} demoks accougale recently anticle of O.C. Entits.

Detented outriggier recently outside of O.C. Entits due to vample division, and in not considered my wa.

A. Lab 1D recentling of a back is number with a 18 write is a method block.

A. Lab 1D consisting of a back is number with a 18 write is a method block.

A. Lab 1D consisting of a back is number with a 18 write is a method block.

A. Lab 1D with a 1855 write, is a metric spike frequence.



Pace Analytical Services, Inc. 1000 Riverband Blvd. Suite F St. Rose , LA 70087

Phone: 504,469,0333 Fax: 504,469,0555 LELAP # 02066

Report: 2	363683	Batch: <u>780</u>	<u>37</u>						
Lab (D	Type and	Sur 1	Ser I	Sur I	Sur 4	Sar 5	Sur 6	Ser 7	Sur 8
	Qualifiers	%Rec	%Rec	%Rec	%Rec	%Rec	%Rec	%Rec	%Rec
20479415	Şамріс	83	83	157	70		Torring Torring		
20479636	BLANK	86	78	72	70				
20479637	LCS	87	76	68	64				
20479638	MS	162	94	87	80				
20479639	MSD	95	93	95	76				
Q	Climite	10-157	10-157	18-171	18-171	~** **********************************	A STATE OF THE PARTY OF THE PAR		

Sur I: Decachlorobiphenyl (Conf)(S)

New Orleans Laboratory

How Orlands Laboratory Conflictularia
Lounziana Guytz in Environmental Operity (LELAF) - 0,000
Arteman Dept. of Environmental Cauthy - 88-0641
Lounsiana Guytz et Finanti and Heapitals / Orleiting Water - LAORO
Frontis Dept. of Finanti And Heapitals / Orleiting Water - LAORO
Frontis Dept. of Finanti And Heapitals / Orleiting Water - LAORO
Frontis Dept. of Finantia Environment - E-miles
M.S. Oppl. of Apptica Nore Personal Real Personal - 5-47275

page 129 of 141

Sur 2: Decachlorobiphonyl (S)

Sur 3: Tetrachkoro-m-xylene (Conf)(S)

Sur 4: Tetrachkoro-m-xylene (S)

^{*} despite transquie receivery matelife of QC Smits. O despites convenies conserves to autoble of QC Smits due to people d'Enthon, and is and remidered no expension.

rup in swenzelpie nich war prich number salle by de mills dies de bendets gewirer von zo d number beträtigtet nichtetet zu verstehr in Oc. Ambe gest de bendets ausgeber von zon zo d

Lab ID consisting of a base's number with a 5 wife in no. LCE.

A CAP ID WEE I MES COTEC IS A COMPLETE. A Lab ID with a MESD mette to a matrix quibe doplicais.

Pace Analytical Services, Inc. 1000 Rherband Shd. Sute F St. Rose, LA 70087

Phone: 504,459,0333 Fex: 504,459,0555 LELAP # 02006

Report: 20	63683	Batch: <u>780</u>	<u>52</u>						
LabiD	Type and	Sur I	Ser 1	Sur 3	Ser 4	Sar 5	Sur 6	Sur 7	Sur 8
	Quellfiers	%Rer	%Rec	%Rec	%Rec	ЖЯес	%Rec	%Rec	%Rec
1047940B	Sample Gl	160 +							
28479409	Sample	86							
20479410	Sample G1	170 *							
20479411	Sample	89							
20479412	Sample G1	147							
20479413	Sample G1	168 *							
20479414	Sample	127							
20479712	BLANK	95							
20479713	£CS	89							
20479742	MS	62							
20479743	MSD	84							
OK	C limius;	32-157			***************************************	(*************************************	C. Assertion of the Control of the C		

Sur 1: 4-Bromofhorobeniene (S)

New Orleans Leborishny Cariffications
Lookishna Dupt, of Environment of Quelty (LELAR) - 02004
Antonia Dupt, of Environment Quelty (LELAR) - 02004
Antonia Dupt, of Environment Quelty - 88-4687
Louislans Dupt, of Health and Pospitals | Drinking Waser - LA0400
Finds Dupt, of Health (EARL) - 237886
Finds Dupt, of Health (EARL) - 237886
Finds Dupt, of Health Environment, -5-5028

Kansan Dupt, of Health Environment, -5-5028

page 130 of 141

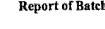
[&]quot; denotes mornigale receivery secritée of QC Scotts.

O denotes appropriée receivery describée of QC Scotts, des la passade distiller, and it may considéred on appropriée.

Link ID consisting of a batch number with a B wells is a medical blank.

A Call ID consisting of a barrie number with a 5 mills binis LC:

A Lab th wat a MAD mills to a march mile deplace.



Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F SI, Rose , LA 70087

Phone: 504.459.0333 Fax: 504.459.0355 LELAP 8 02005

Report:	2063683	Batch: 781	<u>93</u>						
Lab ID	Type and	Sur t	Sur 1	Suri	Sur 4	Sur 5	Sur 6	Sur 7	Sur \$
	Qualiflers	%Rec	%Rec	%Rec	%Rec	%Rec	WRee	%Ret	%Rec
20479415	Sample	73							
20480366	BLANK	83							
20480367	LCS	108							
20480368	MS	90							
20480369	MSD	90							
20480370	BLANK	79							
20480493	r.cs	96							
20480791	BLANK	86							
20480792	BLANK	80							
	QC limits:	58-143							***************************************

Sur 1: 4-Bramo@uorobenzene(S)

page 131 of 141

^{*} Accestes morngage papavary autolificat QC Bedia. In Accestes abertantia encarrie la institut al CC Bedia den la immaio dilatina, mot la più manifessal un expercisa.

himster statiogade spensyry is detaile of QC Books sing to be beompte allatine Lab ID consideracy of a textel asymbor with 5 % wifts is a post-od blank.

A Lab ID several grades of a basel or and a set the S mills is as LCS. I Lab ID with a lab a lab a market and a

t Caib ID 1970 g 1655 gailte la 12 matrix épilles. L Luis ID 1870 a 1650 gailte la 18 matrix apille d'apilirats.



Pace Analytical Services, Inc. 1000 Riverband Bird, Suite P St. Rose, LA 70087

> Phone: 504,469,0333 Fex: 504,469,0555 LELAP # 02006

Lab ID: 20479636

Description: <u>8082 PCBs Water</u> Method: <u>EPA 8082</u> Project No.: 2063683

Batch: 78037

Units: ug/L

Prep Factor: 1

Leached;

Prepared: 23-Oct-06

Analyzed: 10/26/06 17:52 SLF(1)

CAS Number	Parameter	Dilutton	Result	Qu	Reporting Limit	
12674-11-2	PCB-1016 (Arocker 1016)	ŧ	ND		1.00	
11104-28-2	PCB-1221 (Aroclar 1221)	ł	ND		1,00	
11141-16-5	PCB-1232 (Aruelor 1232)	1	ND		1.00	
53469-21-9	PCB-1242 (Aroclor 1242)	1	ND		1.00	
12672-29-6	PCB-1748 (Aroclor 1248)	1	ND		1.00	
11097-69-1	PCB-1254 (Aroclor 1254)	1	ND		1.00	
11096-82-5	PCB-1260 (Aroclar 1260)	Ĭ	ND		1,00	

T common offici stoomed

M. denotes somple Reporting

New Oriseas Laboratory Cartifications
Laughtens Dept. of Environmental Oscily (LELAP) - 02006
Assumes Dept. of Environmental Oscily - 38-041
Los Islams Dept. of Health and Possibles (Deliaking Winter - LAD600)
Parties Dept. of Health (RAC) - 58798
Assumes Dept. of Health (RAC) - 58798

page 132 of 141

Distribution Not Detected at an above the reporting State

Qu Bats quadilere. Specific qualifien are datared at the end of the report. Analysis parlipysad in (i) New Orleans, (I) Auton Kroge, (I) Bouder City, (4; Housins, ar (b) subcontent or fish

Pace Analytical Services, Inc. 1000 Riverbend Bivd. Suite F St. Rose , LA 70087

Phone: 504.469,0333 Fax: 504.469.0555 LELAP # 02006

Lab ID: 20479642

Description: 8015 TPH Extractables Soil

Method: EPA 8015 Modified

Project No.: 2063683

Batch: 27953

Units: mg/kg

Prep Factor: 1

Lenched:

Prepared: 23-Oct-06 Austyzed: 10/27/06 13:59 SP110

					Reporting	
CAS Number	Parameter	Diution	Result	Q×	Umit	
***************************************	Diesel Range Organics (C10-28)	ì	ND	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0,91	
	Oil Range Organics (>C28-40)	1	ND		50.0	

page 133 of 141

Pace Analytical*
New Orleans Laboratory

Report of Method Blank

Pace Analytical Sarvices, Inc. 1000 Riverband Bird. Sule F St. Rose , LA 70087

Phone: 504,459,0333 Fax: 504,469,0555 LELAP # 02006

Lab ID: 20479651

Description: TPH Extractables Water BLK LCS

Method: EPA 8015 Modified

Project No.: 2063683

Batch: <u>77855</u>

Units: mg/L

Prep Factor: 1

Leached:

Prepared: 24-Oct-06

Analyzed: 10/27/06 17:18 srelin

					Reporting
CAS Number	Parameter	Dilution	Result	Qu	Lindi
	Diesel Range Organics (Cl 0-28)	ı	ND		0.150
	Oil Range Organics (>C28-40)	ı	ND		0.150

l resourced to reported

(1) decodes Not Orionced at or above the repositing kinds.
Dy denotes Dikulon Rosers.
Ly duration analysis Reporting Linux.
Ly duration analysis Reporting Linux.
Lyn kints appositions. Specific 40 offices are a skine of at the cond of the report.

New Orleans Laboratory Contifications
Louishines Dept. of Environmental Questly (LELAF) - 8300F
Artenase Dept. of Environmental Questly - 88-00F
Louishines Dept. of Health and Health - 88-00F
Louishines Dept. of Health and Health - 84-00F
Environment of Health (ACC) - EXTASS
Kurama Dept. of Health (ACC) - EXTASS
Kurama Dept. of Health Continues - 5-10248
U.S. Dept. of Agrico Sure Portugal - 809 Farms - 3-47279

page 134 of 141



Pace Analytical Services, Inc. 1000 Riverband Blvd, Suite F St. Rose , LA 70087

Phone: 504,459,0333 Fest: 504,459,0555 LELAP # 02006

Lab ID: 20479662

Method: EPA 8082

Description: 8082 PCBs Low Soil

Project No.: 2063683

Batch: 77402

Units: ug/kg

Prep Factor: 1

Leached:

Na: -

Prepared: 24-Oct-06

Analyzed: 10/26/06 15:52 SLF(I)

CAS Number	Parameter	Diluties	Result	Qu	Reporting Limit	
12674-11-2	PCB-1016 (Arocke 1016)	ì	ND		33.3	
11104-28-2	PCB-1221 (Amelor 1221)	1	ND		33.3	
11141-16-5	PCB-1232 (Aroclor 1232)	1	ND		33.3	
53469-21-9	PCB-1242 (Arocket 1242)	Ĭ	ND		33.3	
12672-29-6	PCB-1248 (Ameker 1248)	1	ND		33.3	
11097-69-1	PCB-1254 (Aroctor 1254)	1	ND		33.3	
11096-82-5	PCB-1260 (Arocler 1260)	1	ND		33.3	

ND decision has Descried at ar show the exparting hunt.
De decision Disclored Factor.
RL decision legisles Reporting Limb.
The Batta statistic supple Reporting Limb.
The Batta statistics. Espatific guildiers are defined as the sad of the report.
Analysis performed in [1] New Orleans. (I) Moton Rouge, (I) Monder (Chy. (I) Honolou. or (V) subs

page 135 of 141



Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose , LA 70087

Phone: 504,469,0333 Fex: 504,469,0555 LELAP # 02006

Lab ID: 20479712

Description: <u>8015 TPH Gasoline Med Soil</u>
Method: <u>EPA 8015 Modified</u>

Project No.: 2063683

Butch: 78052

Units: mg/kg

Prep Factor: 1

Leached:

Prepared: 23-Oct-06

Analyzed: 10/23/06 13:46 BTT (1)

					Reporting	
CAS Number	Farameter	Dilution	Result	Qu	Light	
	Gasoline Range Organics(C6-10)	ŀ	ND	111111111111111111111111111111111111111	2.50	

i componedit inperiod

(I) denotes Not Delacted of or physicile reporting Book. Is denoted Dipplew Focus. (, denotes comple A sporting Edmi). In 1841 gradition. Sporting publisher are declared of the end of the report.

New Drienns Laboratory Contifications
Laboratory Dept. of Environmental Opening (LELAP) - 02008
Laboratory Dept. of Environmental Opening - 18-687
Laboratory Dept. of Environmental Opening - 18-687
Laboratory Dept. of Health and Security - 18-687
Laboratory Dept. of Health and Security - 18-730
Laboratory Dept. of Health Environment - 1-1854
Laboratory Dept. of Health Environment - 1-1854

page 136 of 141



Pace Analytical Services, Inc. 1000 Riverbend Blvd. Suite F St. Rose , LA 70087

Phone: 504,469,0333 Fex: 504,469,0558 LELAP # 02006

Lab ID: 20480791

Description: TPH GRO Water, Blank

Method: EPA 8015 Modified

Project No.: 2062683

Batch: 78193

Units: mg/L

Prep Factor: 1

Leached:

Prepared: 27-Oct-06 Analyzed: 10/27/06 20:41 DET/III

					Reporting
CAS Number	Parameter	Distion	Result	Qв	1,ford t
***************************************	Gesoline Range Organics(C6-10)	9	ND		0,0500

page 137 of 141



Pace Analytical Services, Inc., 1600 Rivertand Blvd. Suite F St. Rose, LA 70087 Phone: 504,469,033 Fox: 504,469,035 LELAP # 02006

								rrej	ect No.:	5003	797	* * ****				
Parameter	Butch	Hlank	ARL	Unite	LCS	LCS	LCSD	LCS	MS	MS	MSD	(1)MS DUP	QC	Linia	RPD	Qu
					Spike	%Rec	%Rec	RPD	Splice	%Rec	%Rec	RPD RPD	LCS	MS/MSD	Mez	
Меюшту	77995	ND	0,200	ug/L	1	99			1	95	96	£	70 - 133	1 24 - 158	20	
Macuy	78010	ND	0.0200	mg/kg	0.1	101			0.09	144	126	29 •	47 - 14	23 - 185	20	
Antimony	78012	ND	3.00	mg/kg	901	98			86	85	76	22 *	10 - 19	10 - 142	20	
Amenic	78012	ND	1.00	mg/kg	100	97			86	99	95	18	71 - 13	1 46-137	20	
Beryllium	78012	'ND	0.500	mg/kg	100	102			86	104	104	16	74 - 12	7 48-140	20	
Cadmium	78012	ND	0.500	mg/kg	100	100			86	102	101	16	69 - 121	31 - 154	20	
Chromium	78012	ND	1.00	mg/kg	100	102			86	105	106	14	70 - 12	7 34-165	20	
Copper	78012	ND	1,00	mg/kg	100	102			86	138	₹5	21 *	73 - 13	1 30 - 170	20	
Lesd	78012	ND	0.500	mg/kg	100	101			86	410 *	0 *	96 *	68 - 13	3 31 - 156	20	Q3
Nickel	78012	ND	4.00	mg/kg	100	104			86	180 *	20 *	45 *	71 - 12	5 39 - 146	20	Qi
Scienium	78012	ND	3.50	mg/kg	100	91			86	53	87	21 *	66 - 12	6 41-129	20	
Silver	78012	ND	1,00	mg/kg	50	164			43	78	94	4	25 - 16	3 10 - 154	20	
Thallium	78012	ND	1.00	mg/kg	100	104			86	86	83	19	68 - 13	0 39-137	20	
Zinc	78012	ND	2,00	mg/kg	100	100			86	141	96	22 *	64 - 12	9 19-169	20	
Antimony	78035	ND	12,0	ив/1.	1000	97							78 - 12	₿ •		
Antimony	78035			ug/L					1000	97	97	ı		\$1 - 146	20	
Amenic	78035			ve/L					1000	100	98	2	-	68 - 130	20	
Arrenic	78035	ND	10,0	ug/L	1000	98							79 - 12	2 -		
Beryllium	78035	ND	4.00	ug/L	1000	99							B1 - 11	8 *		
Beryllium	78033			ugC					1000	101	101	0	*	66 - 129	20	
Cadmium	78035			ug/L					1000	95	94	1		44 - 144	20	
Cadmium	78035	ND	\$.00	üg/L.	1000	98							81 - I i	9 -		
Chromium	78035	ND	10.0	Ng/L	1000								£1 - 12	0 -		
Chromium	78035			ug/L					1000	91	87	4		58 - 135	20	
Copper	780)5	ND	10,0	ng/L	1000	101							77 - 12	3 -		
Copper	78035			ug/L	*				1000	96	95	1	-	62 - 134	20	
Lead	78035	ND	5.00	νg/L	1000	99		*					79 - 12	2 -		
Lesd	78035			ug/L					1000	96	95	1		58 - 13	20	
Nickel	78035			ug/L					₹000	87	83	4		57 - 129	20	
Nickel	78035	ND	40.0	ug/L	1000	99							80 - 12			
Selenium	78035	ND	35.0	ug/ <u>î</u>	1000	95							76 - 12	0 -		
Schrinm	78035	-		ug/L					1000	100	98	1	-	59 - 13	26	į
Silver	78035	ND	10.0	ug/L	500	98							67 - 12	9 -		
Silver	78035			ug/L					500	99	98	0		10 - 15	1 20	1
Theilium	78035			ug/L					1000	99	98	i		43 - 13	3 20	ţ
Thelium	78035	ND	5.00	ug/L	1004	100							75 - 12	2 -		
Zinc	78035	ND	20.0	ng/L	1000	99							78 - 12	94 A		
Tinn	48034			neff					1000	95	D.3			61.13	מל מ	

ARE, desertes Adjustud Arporting Limit, corrected for stough doe, Cântins and switzers content as applicable.

* deserts recovery untilise of QC Builds.

13 MERO IN Anticipated in 18th Anticipate on the hands of inflant county our restoution, order thus suite responsed.

Hero Orbania Laboratory Caribli Eveloria
Lockitara Dapit. of Environment of Quality (LELAP) - 02006.
Arbanius Dapit. of Environment of Quality (LELAP) - 02006.
Arbanius Dapit. of Environment Quality - 85-0817
Lockitana Dapit. of Health and the quality - 12 Tending Webst - CA800022
Florita Dapit. of Health (FELAP) - 278 IIIS
Kernes Dapit. of Health (FELAP) - 278 IIIS
Armes Dapit. of Health (FELAP) - 1278 IIIS

page 138 of 141



Report Qualifiers

Pace Analytical Services, Inc. 1000 Forerbend Blvd. Sufa F St. Rosa , LA 70087

Phone: 504,459,0333 Fax: 504,469,0355 LELAP # 07005

	Project No.: 2063683
×14,	Analyte Qualifiers
Qualifier	Qualifier Description
A7	3-Methylphenol and 4-methylphenol coclure under the conditions used for analysis, therefore the precise isomer in the sample cannot be determined. The sample concentration is arbitrarily reported as 4-methylphenol.
A10	N-Nitrosodiphenylamine îs reported as diphenylamine.
AU1	This analyse is a common solvent. Its presence in field samples may be an artifact of sample collection, transport, inhoratory storage or analysis.
G)	Interferences are present which caused poor surrogate recovery.
j	This estimated value for the analyze is below the adjusted reporting fimil but above the instrument reporting limit.
	General Qualifiers
Qualifler	Qualifier Description
DI	The analysis was performed at a dilution due to the high analyte concentration.
D2	The analysis was performed at a dilution due to the presence of matrix interferences.
	QC Qualifiers
Qualifier	Qualifier Description
Qì	The matrix spike recoveries are poor. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample recovery.
QIO	The spike recovery was above the laboratory QC limits, however, the data are reported without qualification since the target analyte was not detected in the corresponding samples.
ÓΣ	The metrix spike recoveries are poor due to the presence of this analyte in the sample at a concentration greater than 4 times the spiked amount, Acceptable method performance for this analyte has been demonstrated by the laboratory control sample.
Q5	Insufficient sample was provided to perform matrix apike analyses on any sample in this analytical batch. Method performance for this analyte has been demonstrated by the inhonestory control sample recovery.
	Sample Qualiflers
Qualifier	Qualifier Description
P2	The sample extract could not be concentrated to the method specified final volume. The reporting fimit is elevated accordingly.
F-5	A medium level preparation was performed based upon acroening data or the nature of the sample mutrix.

Form Uniquent Layers they been as supplying 15 LET APT - Disting Arthura as Disquit of Environmental Quality - 81-0827 APT - Disting Arthura as Disquit of Environmental Quality - 81-0827 APT - Disting Countries on the Probability of Supplying APT - Disting Womer - LA 040027 Foreign Bugst, at Health (ELLAC) - CETTORS APT - Distington Countries Countries - CETTORS APT - CETTORS A

page 139 of 141

/	Ø	0			A	أمد	ار.	*	j.															C			V-(ıt			
Ser.	tio les	(G)	int i		ina	7	_			na L				Pag Pag	ctio ph e on T	dP b:	サフ	4			1	4	£		İ		tion sinte	-	ion:	***************************************	**		*******	\$0 \$2000X				6		} (Ĝ	IJ			k62	olo	Ÿ	3!	52	27	2		The second secon
Addr	1	2/	بر رزا	6) X	<u> </u>	/	3	18	"/L	K.C	77		Сер	y To							·			\perp	dire	asy N	all#							S S Santament Co. m. 2011.	1	אנ ער	PDE ST	3						ייט	M	- Alekside	and the second	U	Φħ	¥ <u></u>				conferencement framework
Address Addres	A	(É	U	<u>C</u>	lh L	人	14	5	L H (A. 36	26	60 94	2	-/. Part - (3/ Mai	0	*	Ng.							_	- Control	O:ote								energy and the parties	SI	Ē	OC/	TX.	N		H) N			the				;		-
Photo 37		/3 Hi [2	S	7) Ti	7	7-	4	7.	03	8	ø	Proj	oci i	lar Apr	ie:	4	P	<u> </u>	9_				_		nije: Potie		i i ji	;;	21i			·····	istilate r m itri ag nisani nacali				Ì	Filbin Rega	# SJA	_	-/	7	Z_{f}	7	7	À	N	\$	H	Z		X	or carbatan Navanasan
			on	D	F	aş.	***	(C)		(oceu	do	が出める事業	E SE	ine ing i	COSE MATE	1 7 !	XX W T	·	ı		1				بدادن <u>.</u>						10.00		ZFZ		ħ	H	e Pri	i i		~()							\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				1				di-
* 54			ı	Ū:	Car (A	anç Lo	ter i	ost A	Ci.			W SS	ř.	Č(Æ		F	LEGRAN			MACTIFICA COOK	Carlotte Library		OMPO	SITE		-,	OP:		<u> </u>	*********	AND ETER		CONTAINFER	present sad				diamos.	****					NAME OF THE PROPERTY OF THE PR			Z)			ſ ¥	hori	Proje	etha	ispec	
METTE W	R	·	an	1	D	M,	ST	BE (HIC	le T	-	Ţ	3 UE	2004-00-000		-	- American		-	SL.	6		DATE 18/0	1	7:3	+	DAT	Œ	T	Æ	-		1	<u>\$</u>	NZ	1	-	1	Š	/ (X	Y X	X	<u>/</u>	<u>/</u> X	χ	X	1	1	24	<u> </u>	/)	9	4	ala W	
2	.		The second secon		_				İ				-			_	tion of the second		1																ļ						The second second	36.34		A STATE OF THE PARTY OF THE PAR		_	-								-
3 - 4			-			_			and the second	-			de constant de la con	- January	_	-	A	-	1	-				1		A Mac Datinosmiconis		_								***************************************									en	1		1			-				
5				-				-		-	1		· · · · · · · · · · · · · · · · · · ·	1																	-	-	and the same	- William Company	_		-			CHILDREN AND THE COLUMN	-			A Paris		-									
6			CANCEL LEGENMONTH NA	***************************************	_				_	-								····	1		_				*							1					_				1						1					_			
3			Married Colors (1997)	_	-			Tomas -			_	1		***************************************	,,,,			waster Committees	1			+		+	i ecelusion		-m-titi			<u></u>	_		***************************************	***************************************	sienesses remeinée					anamana wananan	+	l	_	-	_	-									
10			-	an inconstant					-		t	1		ne versomen					1					1		1						1			1		+				1				-										Management of
11 12	مبد		on the second						-		-	+		100000000000000000000000000000000000000			***************************************				_	1				and the second						1	****	MANA LANGUARMAN			-			mary and and and and and and and and and and				-											
Ä¢d	lio		Cai	ii biz	शा	33	-					*		L			14	9						BY	4	2	TIO	m 87		-	100 8/2	щ.	l	1			Ž,	AF		۸		7		国公		正之	2	SAI		ţ	I	Ĕ	Γ	Z >	e recesement
Add	4	k	ly	Z	Z.	/	te,	,	L 1); 		Q L.	·/	(t	:(/.:	71	L	/	1	_	14		AZ,		过		gu	4	4	-	es3 98		7	X	7	1	¥ 1	I.	4		/	P	P	Ø	19	25 Y	1	<u>7</u> [,			¥ .		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Marketon Company
	1	O.	F	k) á	d	4	1 6	r/s	:I?	Ø	10	χî	fi.	P	14	· \$	*		×nnin		· · · · · ·		PIL)	T Num	ń	Man Suap	æ	à		TUR L		, ,									-				9 -: 304		0,5		7.	١.	TAN CONTINUE YAN	Ì,	****	A STATE OF THE PERSON OF THE P
恕!	ĽYĘ.), SE	SO	ξA	ie u	IST#	ıcı	non:	ŧ					n.	ສະດ	*ki	4 1										U.A.			<i>V 1</i>	_	4		<				W.F /0 _/	7	1/0	in:	m:	171)				_	Terrup en	7 dece		Ú	-	2.114		

	9/									CHAIN-OF-CUSTODY / Analytical Request Document The Chain-of-Custody is a LEGAL DOCUMENT, All relevant fields must be completed accurately.																							
	,	Pace		Acatem M								R55971																					
	B	والمراكب والمسائد	Required Clari Information: Section B							3	Page: 1 of 2																						
	Co.	ind Contain	*	on A	- t:	Cop 1s							_	Chert internation (Chief consciously 20636 (5)								Oxes Releases											
	Ago		anu.	//~0 <i>/</i> /	712 716	<u>N/11</u> Ž	-	nois (s.								equation De		- Marin Mila	1782						Pojul Maryer								
		14. U. 1) And 14.	100 1318 Popularia 111								"Turn eround time less than 14 days stublet to lebourny and continued displayers and may medit in a least Turn eround Surcharge. Turn Around Turn (TAT) is contented above.					AC S					Pose#:												
	_	roe Ch	PRINCE RAINE , IPAL						-	100						Profest:																	
	77	5)30141	GAS	rigid Nation						-	immunitary of the material in reconstruction of the second						1	Requested Analysis:															
	12.2	7 30 Y - 1805 (337) Y 39-05-89 Section D Required Cleministration							Wiles Care DIE II				T	į	···· ··· ··· ··· ··· ··· ·	' ,	g die f	1	Preservativ			HŰVII.	-	Loutyels:						W			
	Tile commercial and the second		E 1	ח		PRODUCT			۴ ا	MATHUM CKYNH Sample Pope	Č			-	4	Ç.	ŢŢ	П	П	T	A	6	V	/ §	1	W.	V		**				
			-		MPLE ID haracter per box. A-Z (>97) h Must be unickje						P	3		ca:						Ø.	40000000		70		M		<i>X</i> /	Y					
	MEL		Samo	Vic Via (A-) La (Da)					見りを		10	0 DEF		\$74FT pd		FHC MT THAT		VEC	1004	Į.	Magez	8/	$\mathbb{N}^{\mathbb{N}}$	W	γ̈́γ	M	ψŅ	N.	. Au	HAPPEN FLANDS	4		
	Ā	c/	1	П	T	ŀ	T		П	1.43	,		36	19	9/4	1520			,	2				1	(1	d	1.		×	7	W	7940	19
	2	c a	1	Ħ	T		11				2.0		36	+	1	1550			ź	2 0				C	(04	øŁ	*	,	×	۷_		4/	b
w.	3	73				ì	11			1	3021		51	•		1605	*	Wilderstration	ź	2 /				1	l d	X	y ,	٨	* ;	K.		4/	
7 2 2 2 3 3	4	C4	1		**	1	1	* -	\parallel			1-	1/	7	T	1,25	-	THE PERSON NAMED IN COLUMN 1	:	2,				1	ø.	لز	1 1	۸,	×	L		41	4
# #	5	05					İ	Ì	\prod				30	2	T	1630		Section 1		2				o	d	ø	20	(pt	N/ 7			41:	3
97 14	6	06				Ħ	ΤÌ	T	11	5	17.	ngeriett.	3	-	T	1553		***************************************		3	4			,	Ų,	¢.	11	, x	4 2	4		4)4	<u>'</u>
.	7	41	1			H	11	1	11		1.	****	10	-	Ī	1730	20110001		1	3	(<u>k</u>	3		0	(X	X	× ×	1	X,	4		4/5	
I RE	8								Π		1	ļ						Y.			and server	MUNICIPALIDA					ŕ						
_ ≺ ∏	9				\Box	П							19 1.:																				
1A3	10							7			,		.;														Limited					······································	
机	11							700					٠,								1	and laborator			Å								
PAY	12							THE STREET	, i	De Fa	2 2 2				a)			Constitution of the Consti				e establishment e			مبغ		ش						
		ŞITÇ 100							U.AI(urne	. Wa	FÜ	RELI	102ISN	ED BY / A	FFILL	ATIO			TIM	L.C.	acc	EPI(D 8Y	IAF	FILIA	TION	DATE	سسب	
		NC OS Other		ŲΑ	Ö	updes Ust	CRA	au n			ORDIKING WAT			125	2-7		4	<u>_</u>	_ 18	89/x	8:2	7	4	4	, Y	_}	1		14/6	1/22	2		
Coun		MPLE CONDITION BAMPLE NOTES					Ē\$. I DEQ-RECAP						P	A	سک		4	KU 17			172	r [#	ķ.	W	Ý	الوا	*	WIT	:CHI	4 1	
	-	aceived on load NN						nor LDEQ-RECAP nor LDEQ-RECAP no focal & detestion limits.								123	а Ли.,		Flike 0240 910						7 mille 1-20 018							1	
20		aled Cooler Y/NV													•	l	Administra	SAMPLER NAME AND SIGNATURE							A HARDENHALD MARKET STATE OF THE STATE OF TH								
1 2	-	Tiples Inlact (YN																ZACHAMU J.					: 4	ll									1
		lional Commi												SDAR	UPE #	SHIP	ER				7	,	DATE Separ			106	CD/YY)	=					
	ORI	GINAL														SEE REVERSE SIDE FOR INSTRUCTIONS FOR COCCOT RIM, COCK											ન . ਖ਼ ·						
																		-ysrkin -	2 F 1987 1 1 1	4 4 14	en sell	~₩[At i	167 MF 3	4127								

Paul H. Templet, Ph.D. Templet Resources Inc. 4888 Loyola Dr. Baton Rouge, La. 70808 (225) 767-1026 ptemplet1@cox.net

2/1/16

An Expert Report by Paul H. Templet, Ph.D. Regarding the Southern Pacific/Union Pacific Rail Yard in Lafayette, La.

I am a Ph.D. chemical/physicist with particular expertise in environmental chemistry and environmental management. I taught environmental management at Louisiana State University in the Department of Environmental Studies and I was Secretary of the Louisiana Department of Environmental Quality from 1988-1992. I have been qualified as an expert in Louisiana State and federal courts in the areas of environmental chemistry, environmental management, fate and effects of waste, risk assessment and in other areas. A copy of my curriculum vitae is attached to this report along with a list of cases and depositions I have participated in over the past years.

The site being considered is an approximate 40 acre tract where Southern Pacific Transportation (SP/UPRR) conducted rail yard operations ("Site or Facility"). It is located within the city limits of Lafayette, Louisiana bounded on the north by Simeo St., on the south by Taft St., on the west by the railroad tracks and on the east by Evangeline Throughway.

In connection with this report, I have reviewed reports and publications including those listed below.

- C.H. Fenstermaker and Associates (1991). Phase I Environmental Site Assessment Report, Chestnut Street Site, Lafayette, LA
- Hydro-Environmental Technologies ("HET") (1991). Phase II Site Investigation Report, Chestnut Street Site, Lafayette, LA
- HET (1992). Phase III Site Investigation Report, Chestnut Street Site, Lafayette, LA
- Sigma Environmental, Inc., Bray, Brent, R. (2007). Soil and Groundwater Investigation Work Plan Former Railroad Facility, Lafayette, LA

FILED THIS 1 | DAY OF 20 16

EXHIBIT LEADING

- Stewart L. Stover, Jr. (2005). Affidavit of Stewart Stover, Consolidated Companies, Inc. v. Union Pacific Railroad Company, et al., USDC WDLA, suit no. 98-1804
- vi. USDC WDLA Judge S. Maurice Hicks, Jr. (2006). Memorandum Ruling, Consolidated Companies, Inc. v. Union Pacific Railroad Company, et al., USDC WDLA, suit no. 98-1804
- Arcadis, Geraghty & Miller, 3/20/01, Documentation of soil removal activities, risk based closure.
- Conestoga Rovers & Assocs., 8/14-16/07, Groundwater Monitoring Report.
- ix. ERM, 6/26/06, Corrective Action Work Plan
- Lafayette Dept. of Public Works, 12/10/91, letter to DEQ.
- xi. ERM, 11/15/02, Risk Evaluation/Corrective Action Program (RECAP)
 Report
- Arcadis, 3/26/2001, Documentation of soil removal activities risk-based closure
- xiii. HET (1992) Supplemental Data for Contamination Assessment Report, Conco Food Distributors Facility, 1016 Southwest Evangeline Thruway, Lafayette, La.

My opinions are as follows:

- Chemical analyses and expert testimony demonstrate that soil and groundwater at
 the Southern Pacific/Union Pacific Railroad Facility are contaminated to various
 depths with metals, PAHs, Petroleum Hydrocarbons, BTEX, and chlorinated
 hydrocarbons at a minimum. Non-aqueous phase liquids (phase separated
 hydrocarbons) have been found at the site in the soil and groundwater (monitoring
 well MW5, Stover Affidavit of 1/24/2005) and may indicate dense phases beneath
 the water layer or lighter phases above it. These phases complicate and intensify
 the contamination picture of the site.
- The shallow groundwater flow hasn't been definitively determined, and should be, but depending upon seasonal river stages it appears there is a component moving toward Evangeline Thruway and residential property.
- DEQ RECAP soil and groundwater screening standards for metals, hydrocarbons, PAHs, and other organic compounds are exceeded.

- These contaminates are characteristic of and a result of past rail yard operations conducted at the Facility.
- Some of the contaminants present, including but not limited to PAHs, benzene, xylene, arsenic, lead and are listed hazardous substances under USEPA Superfund regulations, 40 CFR Table 302.4.
- The contamination is the result of historic Facility operations, including storage, spillage, disposal and/or burial of wastes in soil that is not sound environmental management practice and never has been.
- 7. Onsite wastes will continue to spread and contribute to greater areas of contamination in the future, spreading horizontally and vertically within and beyond the Facility boundaries and threatening and/or impacting the Chicot Aquifer that is within approximately 40 feet of the surface.
- The Lafayette North Water Plant water supply well #16 is located immediately
 adjacent to the Facility. Testing should be done to determine whether Facility
 contamination has entered/is entering this city of Lafayette drinking water supply
 well.
- 9. The entire Facility should be comprehensively assessed and remediated to prevent further contamination of the environment by the wastes remaining onsite, to prevent further offsite migration and the potential for further offsite migration, to prevent potential human exposure, and to eliminate the contamination and/or threat of contamination to the Chicot Aquifer. Piecemeal testing of separate small areas within the site makes little scientific sense because it is not comprehensive or scientifically valid.
- 10. The soil remediation done at the site (Arcadis, 2001) did not address groundwater and focused only on PAH's, BTEX and TPH. Soil was excavated to depths of 3-6 feet at parts of the site. No groundwater remediation has been done and no consideration has been given to contamination of the Chicot Aquifer.
- 11. It is highly likely that there are plumes of the contaminants beneath the site that can move with the groundwater and spread to areas beyond the original area of contamination. These plumes have never been delineated or mapped and their extent, flow direction and depth should be determined.
- 12. Abandoned water wells existed at the site (ERM, 2007, wells 476 & 477) but have not been located or closed. They can serve as conduits to move contaminated groundwater deeper into the Chicot Aquifer
- The proposed plan of assessment in the February 2006 "Soil and Groundwater Investigation Work Plan Former Railroad Pacility, Lafayette, Louisiana by Sigma

Environmental, Inc. (Brent Bray, author) provides a reasonable plan to assess the full nature and extent of the Facility contamination. In addition, the plumes must be fully delineated horizontally and vertically and mapped.

- 14. Properties adjacent to the Facility should be tested to determine if soil and/or shallow groundwater contamination has migrated onto those properties.
- 15. Facility soil and groundwater conditions constitute an imminent and substantial endangerment to human health and the environment. For example, Benzene, a known human carcinogen, was found in groundwater at the site in 1991 at 83 ppb. The RECAP Screening Standard (SS) is 5 ppb. Similarly, Lead was found in the groundwater at 160 ppb while the SS is 15 ppb. As troubling was the presence of chlorinated hydrocarbons at levels exceeding the RECAP SS. For example tetrachloroethane was found in the groundwater at levels 17 times the SS, at a minimum. The two separate phase chemicals noted by Stover (affidavit of 1/24/05) were Acetone found at 407,000 ppb (SS is 100 ppb) and MiBK at 527,000 ppb (SS is 200 ppb). The ERM 11/15/02 Risk report did not consider all of these factors.

I reserve the right to submit a supplemental report if new information becomes available during discovery, from submittal of defendant expert reports or for other reasons.

Submitted by:

Paul H. Templet

Paul H. Templet Environmental Consultant

FILED TH

- 1 W W J -